Postal Service Mail.XML 8.0B Technical Specification for Appointment Scheduling (FAST)

November 2011 Release

Version 1.0.0

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Please note that the requirements in this document related to the price change in January 2012 are subject to change at any time up to the scheduled implementation date.

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Table of Contents

TABLE OF CONTENTS **3**

DOCUMENT CHANGE HISTORY **10**

1. POSTAL SERVICE MAIL.XML TECHNICAL SPECIFICATION **23**

1.1 PROGRAM OVERVIEW 23
1.2 MAIL.XML 8.0B CHANGE HISTORY 24
1.3 GENERAL XML AND WEB SERVICES INFORMATION 24
1.4 ABOUT SCHEMA MODULARIZATION 24
1.5 WHAT SCHEMA'S COVER FAST FUNCTIONALITY? 25
1.6 USPS® LIMITATION RULE ON TRANSACTION REQUESTS 26
1.7 ROADMAP OF MAIL.XML 26
1.8 PURPOSE 28
1.9 INTENDED AUDIENCE 29
1.10 ABOUT THIS DOCUMENT 29
1.11 HOW TO READ DATA STRUCTURE 29
1.12 ISSUE RESOLUTION 30
1.13 ENVIRONMENTS SUPPORTED BY USPS 30
1.14 POSTALONE! WSDL INFORMATION 30
1.15 EXCEPTIONS 31

2. POSTALONE! – FAST MAIL.XML WEB SERVICES **33**

2.1 OVERVIEW 33
2.2 ACCESS TO POSTALONE! - FAST WEB SERVICES 33
2.3 POSTALONE! - FAST MAIL.XML WEB SERVICES SUPPORTED MESSAGES 34
2.4 FAST WORKFLOWS FOR MAIL.XML 34

3. MAIL.XML 8.0B - FAST MESSAGES AND DATA STRUCTURES **41**

3.1 APPOINTMENT CLOSEOUT MESSAGES 43
3.1.1 AllDeliveryApptCloseoutRequest *44*
3.1.2 AllApptCloseoutResponse *45*
3.1.3 ConsigneeGoodsReceipt *47*
3.1.4 ConsigneeGoodsReceiptDelivery *49*
3.1.5 UnscheduledConsigneeGoodsReceipt *51*
3.2 APPOINTMENT SHELL MESSAGES 52
3.2.1 DeliveryApptShellCreateRequest *52*
3.2.2 DeliveryApptShellUpdateRequest *54*
3.2.3 DeliveryApptShellCancelRequest *55*
3.2.4 DeliveryApptShellCreateResponse *57*
3.2.5 DeliveryApptShellUpdateResponse *57*
3.2.6 DeliveryApptShellCancelResponse *58*
3.3 CUSTOMER SUPPLIER AGREEMENT MESSAGES 58
3.3.1 CustomerSupplierAgreementQueryRequest *59*
3.3.2 CustomerSupplierAgreementQueryResponse *59*
3.4 DELIVERY APPOINTMENT MESSAGES 60
3.4.1 DeliveryApptCreateRequest *61*
3.4.2 DeliveryApptUpdateRequest *63*
3.4.3 DeliveryApptCancelRequest *65*
3.4.4 DeliveryApptQueryRequest *66*
3.4.5 DeliveryApptCancelCreateRequest *67*
3.4.6 DeliveryApptCreateResponse *69*

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3.4.7 DeliveryApptUpdateResponse 71
3.4.8 DeliveryApptCancelResponse 73
3.4.9 DeliveryApptQueryResponse 75
3.4.10 DeliveryApptCancelCreateResponse 76
3.5 DELIVERY CONTENT MESSAGES 77
3.5.1 DeliveryContentCreateRequest 78
3.5.2 DeliveryContentUpdateRequest 79
3.5.3 DeliveryContentCancelRequest 80
3.5.4 DeliveryContentQueryRequest 81
3.5.5 DeliveryContentCreateResponse 82
3.5.6 DeliveryContentUpdateResponse 82
3.5.7 DeliveryContentCancelResponse 83
3.5.8 DeliveryContentQueryResponse 83
3.6 PARTNER APPOINTMENT QUERY MESSAGES 84
3.6.1 PartnerApptQueryRequest 84
3.6.2 PartnerApptQueryResponse 86
3.7 RECURRING APPOINTMENT QUERY MESSAGES 87
3.7.1 RecurringApptQueryRequest 87
3.7.2 RecurringApptQueryResponse 88
3.8 MAIL.XML 8.0 B SPECIFIC BUSINESS RULES 89

4. ADDITIONAL INFORMATION 91

4.1 ADDITIONAL RULES/CONSTRAINTS 91
4.1.1 Delivery Appointment Query Response 93
4.1.2 Delivery Appointment Create Acceptance Response 94
4.1.3 Delivery Appointment Create Rejection Response 94
4.1.4 Delivery Appointment Update Acceptance Response 94
4.1.5 Delivery Appointment Update Rejection Response 94
4.1.6 Delivery Appointment Cancel Create Acceptance Response 94
4.1.7 Delivery Content Accept Response 95
4.1.8 Delivery Content Reject Response 95
4.1.9 Delivery Content Cancel Response 95
4.1.10 Delivery Appointment Shell Accept Response 95
4.1.11 Delivery Appointment Shell Reject Response 95
4.1.12 Delivery Appointment Shell Cancel Response 95
4.1.13 Delivery Content Query Response 95
4.1.14 Detail Info Block 102
4.2 MULTISTOP SUPPORT 102
4.2.1 FAST Online Application 102
4.2.2 Web Services 103
4.3 ERROR CODES/RETURN VALUES 103
4.3.1 Updated Error and Warning messages 111
4.4 DROP ENTRY POINT WARNING CODES AND DESCRIPTIONS 112
4.5 FAULT CODES 115
4.6 WEB SERVICE ADDITIONAL CONSTRAINTS 116
4.7 MESSAGE RESPONSE RETRIEVAL REQUEST PROCESSING 116
4.8 *POSTALONE!* WSDL INFORMATION 117
4.9 SCHEDULERCONTENT ID 118
4.10 CLOSEOUT MESSAGES 118
4.11 APPOINTMENT SHELL CANCELLATION MESSAGES 120
4.12 *POSTALONE!* - FAST WEB SERVICES AUTHENTICATION: 120

5. APPENDIX A - MAIL.XML 8.0B FAST COMPLEX TYPES DATA STRUCTURES 122

5.1 COMPLEX TYPE: ACTUALBEDLOADTYPE 122
5.2 COMPLEX TYPE: ACTUALPALLETTYPE 122

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5.3 COMPLEX TYPE: APPTBLOCKGOODSTYPE 122
5.4 COMPLEX TYPE: APPTBLOCKREQUESTTYPE 124
5.5 COMPLEX TYPE: APPTBLOCKUNSCHEDULEDGOODSTYPE 124
5.6 COMPLEX TYPE: AVAILABLEHOURTYPE 125
5.7 COMPLEX TYPE: AVAILABLESLOTTYPE 125
5.8 COMPLEX TYPE: BEDLOADHANDLINGUNITTYPE 126
5.9 COMPLEX TYPE: BEDLOADUNITTYPE 127
5.10 COMPLEX TYPE: CARRIERTYPE 127
5.11 COMPLEX TYPE: CONSIGNEEFACILITYTYPE 128
5.12 COMPLEX TYPE: CONTENTCANCELTYPE 129
5.13 COMPLEX TYPE: CONTENTDETAILINFOTYPE 129
5.14 COMPLEX TYPE: CONTENTDETAILINFOUPDATETYPE 130
5.15 COMPLEX TYPE: CONTENTUSPSSUMMARYUPDATETYPE 131
5.16 COMPLEX TYPE: DELIVERYAPPTCONTENTREMOVEREJECTTYPE 133
5.17 COMPLEX TYPE: DELIVERYAPPTREJECTTYPE 133
5.18 COMPLEX TYPE: DELIVERYAPPTSHELLACCEPTTYPE 134
5.19 COMPLEX TYPE: DELIVERYAPPTSHELLCANCELRESPONSETYPE 135
5.20 COMPLEX TYPE: DELIVERYAPPTSHELLREJECTTYPE 137
5.21 COMPLEX TYPE: DELIVERYAPPTUPDATEACCEPTTYPE 138
5.22 COMPLEX TYPE: DELIVERYAPPTUPDATEREJECTTYPE 139
5.23 COMPLEX TYPE: DELIVERYCONTENTACCEPTTYPE 140
5.24 COMPLEX TYPE: DELIVERYCONTENTCANCELRESPONSETYPE 141
5.25 COMPLEX TYPE: DELIVERYCONTENTREJECTTYPE 142
5.26 COMPLEX TYPE: DELIVERYCONTENTUPDATEACCEPTTYPE 142
5.27 COMPLEX TYPE: DELIVERYCONTENTUPDATEREJECTTYPE 143
5.28 COMPLEXTYPE: DETAILINFOTYPE 144
5.29 COMPLEX TYPE: GPSCOORDINATES 144
5.30 COMPLEXTYPE: MAILDATSUMMARY 145
5.31 COMPLEXTYPE: ONETIMEAPPT 145
5.32 COMPLEXTYPE: OPTIONALAPPT 146
5.33 COMPLEXTYPE: PALLETPRESORTTYPE 146
5.34 COMPLEXTYPE: PALLETUNITTYPE 147
5.35 COMPLEX TYPE: QUERYERRORTYPE 147
5.36 COMPLEX TYPE: RECURRINGAPPTTYPE 147
5.37 COMPLEX TYPE: SLOTAVAILIBILITYTYPE 148
5.38 COMPLEX TYPE: PARTICIPANTIDTYPE 148
5.39 COMPLEX TYPE: SUBMITTINGSOFTWARETYPE 149
5.40 COMPLEX TYPE: TRAILERINFOTYPE 150
5.41 COMPLEX TYPE: TRAILERTYPE 150
5.42 COMPLEX TYPE: TRAYHANDLINGUNITTYPE 151
5.43 COMPLEX TYPE: USPSCONTAINERINFO 151
5.44 COMPLEX TYPE: USPSSUMMARY TYPE 152

6. APPENDIX B - MAIL.XML 8.0B SIMPLE TYPES DATA STRUCTURES 153

6.1 SIMPLETYPE: ACTIONCODETYPE 153
6.2 SIMPLETYPE: ADDRESSCORRECTIONMOVETYPE 154
6.3 SIMPLETYPE: ADDITIONALINHOMERANGETYPE 154
6.4 SIMPLETYPE: ADJUSTMENTSTATUSTYPE 154
6.5 SIMPLETYPE: ADJUSTMENTTYPE 154
6.6 SIMPLETYPE: AGENCYCOSTCODETYPE 154
6.7 SIMPLETYPE: APPTMETHODTYPE 154
6.8 SIMPLETYPE: APPTSTATETYPE 155
6.9 SIMPLETYPE: APPTSTATUSTYPE 155
6.10 SIMPLETYPE: APPTTYPETYPE 155
6.11 SIMPLETYPE: BARCODERATETYPE 155

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6.12 SIMPLETYPE: BILLREASONCODETYPE 155
6.13 SIMPLETYPE: BUNDLEDETAILLEVELTYPE 156
6.14 SIMPLETYPE: BUNDLELEVELTYPE 156
6.15 SIMPLETYPE: BUNDLERECORDSTATUSTYPE 156
6.16 SIMPLETYPE: BUNDLESTATUSTYPE 156
6.17 SIMPLETYPE: CANADAADMAILONLYTYPE 157
6.18 SIMPLETYPE: CHARGEABLEBUNDLELEVELTYPE 157
6.19 SIMPLETYPE: CHARGEABLECONTAINERTYPE 157
6.20 SIMPLETYPE: CHARGEABLECONTAINERLEVELTYPE 157
6.21 SIMPLETYPE: CHARGEABLEENTRYLEVELTYPE 157
6.22 SIMPLETYPE: CLASSNOTIFICATIONTYPE 158
6.23 SIMPLETYPE: CLOSEOUTIRREGULARITIESTYPE 158
6.24 SIMPLETYPE: COMMUNICATIONROLETYPE 159
6.25 SIMPLETYPE: COMPONENTIDTYPE 159
6.26 SIMPLETYPE: COMPONENTWEIGHTTYPE 159
6.27 SIMPLETYPE: COMPONENTWEIGHTSOURCETYPE 159
6.28 SIMPLETYPE: COMPONENTWEIGHTSTATUSTYPE 159
6.29 SIMPLETYPE: CONSIGNEECONTENTIDTYPE 159
6.30 SIMPLETYPE: CONTAINERBUNDLESTATUSTYPE 160
6.31 SIMPLETYPE: CONTAINER24CHARACTERBARCODETYPE 160
6.32 SIMPLETYPE: IMTBTYPE 160
6.33 SIMPLETYPE: IMPBTYPE 160
6.34 SIMPLETYPE: CONTAINERACCEPTANCEDATETYPE 160
6.35 SIMPLETYPE: CCCLEVELTYPE 160
6.36 SIMPLETYPE: CONTAINERGROUPINGDESCRIPTIONTYPE 161
6.37 SIMPLETYPE: CONTAINERGROSSWEIGHTTYPE 161
6.38 SIMPLETYPE: CONTAINERHEIGHTTYPE 161
6.39 SIMPLETYPE: CONTAINERLEVELTYPE 161
6.40 SIMPLETYPE: CONTAINERPICKUPDATETYPE 163
6.41 SIMPLETYPE: CONTAINERPICKUPTIMETYPE 163
6.42 SIMPLETYPE: CONTAINERSHIPDATETYPE 163
6.43 SIMPLETYPE: CONTAINERSHIPTIMETYPE 163
6.44 SIMPLETYPE: CONTACTTYPE 164
6.45 SIMPLETYPE: CONTAINERTYPE 164
6.46 SIMPLETYPE: CONTAINERSTATUSTYPE 164
6.47 SIMPLETYPE: CONTAINERHEIGHTSOURCETYPE 164
6.48 SIMPLETYPE: CPTPERIODICALADPERCENTAGETYPE 164
6.49 SIMPLETYPE: CPTPERIODICALADPERCENTAGEBASISTYPE 165
6.50 SIMPLETYPE: CPTPERIODICALADPERCENTAGEBASISTYPE 165
6.51 SIMPLETYPE: CQTDATABASEIDTYPE 165
6.52 SIMPLETYPE: CREDITDEBITINDICATOR 165
6.53 SIMPLETYPE: CRIDTYPE 165
6.54 SIMPLETYPE: CRIDSTATUSTYPE 165
6.55 SIMPLETYPE: CSATEMPLATETYPE 165
6.56 SIMPLETYPE: CSASTATUSTYPE 166
6.57 SIMPLETYPE: DATABASECONTAINERIDTYPE 166
6.58 SIMPLETYPE: DAYFREQUENCYTYPE 166
6.59 SIMPLETYPE: DAYSOFWEEKTYPE 166
6.60 SIMPLETYPE: DAYSTYPE 167
6.61 SIMPLETYPE: DEC03-2 167
6.62 SIMPLETYPE: DEC04-3 167
6.63 SIMPLETYPE: DEC18-6 167
6.64 SIMPLETYPE: DEC10-4 167
6.65 SIMPLETYPE: DEC18-8 167
6.66 SIMPLETYPE: DELIVERABILITYCODETYPE 168

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6.67 SIMPLETYPE: ELECTRONICFILETYPE 168
6.68 SIMPLETYPE: EMAILTYPE 168
6.69 SIMPLETYPE: EMD8125ASNBARCODETYPE 168
6.70 SIMPLETYPE: ENCLOSEDBYTYPE 168
6.71 SIMPLETYPE: ENTRYDISCOUNTTYPE 168
6.72 SIMPLETYPE: ENTRYFACILITYTYPE 169
6.73 SIMPLETYPE: ENTRYPOINTEDPOSTALCODETYPE 169
6.74 SIMPLETYPE: ENTRYPOINTEDFACILITYTYPETYPE 169
6.75 SIMPLETYPE: ENTRYPOINTADLOCALEKEYTYPE 169
6.76 SIMPLETYPE: ENTRYPOINTADPOSTALCODETYPE 169
6.77 SIMPLETYPE: ES2 169
6.78 SIMPLETYPE: ES3 169
6.79 SIMPLETYPE: ES4 170
6.80 SIMPLETYPE: ES5 170
6.81 SIMPLETYPE: ES31 170
6.82 SIMPLETYPE: EXEMPTIONCODETYPE 170
6.83 SIMPLETYPE: FASTCONTENTIDTYPE 170
6.84 SIMPLETYPE: FASTSCHEDULERIDTYPE 170
6.85 SIMPLETYPE: FEENOTIFICATIONTYPE 170
6.86 SIMPLETYPE: FLATRATEINDICATORTYPE 171
6.87 SIMPLETYPE: FORMTYPE 171
6.88 SIMPLETYPE: FULLSERVICECOMPLIANCEINDICATORTYPE 171
6.89 SIMPLETYPE: FSPITYPE 171
6.90 SIMPLETYPE: GPSSYSTEMTYPE 171
6.91 SIMPLETYPE: IDTYPE 172
6.92 SIMPLETYPE: IMCBTYPE 172
6.93 SIMPLETYPE: IMBTYPE 172
6.94 SIMPLETYPE: IMBARCODEIDTYPE 172
6.95 SIMPLETYPE: IMBSERIALNUMBER6TYPE 172
6.96 SIMPLETYPE: IMBSERIALNUMBER9TYPE 172
6.97 SIMPLETYPE: IMBUPPERSERIALIZATIONTYPE 172
6.98 SIMPLETYPE: IMBLOWERSERIALIZATIONTYPE 173
6.99 SIMPLETYPE: INCLUDEDINOTHERDOCTYPE 173
6.100 SIMPLETYPE: INTERNALDATETYPE 173
6.101 SIMPLETYPE: INOUTCOUNTYINDICATORTYPE 173
6.102 SIMPLETYPE: INCOUNTYOUTCOUNTYINDICATORTYPE 173
6.103 SIMPLETYPE: INT04 173
6.104 SIMPLETYPE: JOBIDTYPE 173
6.105 SIMPLETYPE: LOCALEKEYTYPE 174
6.106 SIMPLETYPE: INDUCTIONSTATUSTYPE 174
6.107 SIMPLETYPE: LOGICALPHYSICALBUNDLEINDICATORTYPE 174
6.108 SIMPLETYPE: LOGICALPHYSICALCONTAINERINDICATORTYPE 174
6.109 SIMPLETYPE: MAILAGREEMENTTYPETYPE 174
6.110 SIMPLETYPE: MAILCLASSTYPE 174
6.111 SIMPLETYPE: MAILDATCONTAINERSTATUSTYPE 175
6.112 SIMPLETYPE: MAILDATRECORDSTATUS 175
6.113 SIMPLETYPE: MAILERID6TYPE 175
6.114 SIMPLETYPE: MAILERID9TYPE 175
6.115 SIMPLETYPE: MAILISSUETYPE 175
6.116 SIMPLETYPE: MAILXMLCONTAINERTYPE 175
6.117 SIMPLETYPE: MAILXMLPRESENTATIONCATEGORYTYPE 176
6.118 SIMPLETYPE: MAILXMLSTATUSTYPE 176
6.119 SIMPLETYPE: MIDSTATUSTYPE 176
6.120 SIMPLETYPE: METEREDAFFIXEDMETHODTYPE 176
6.121 SIMPLETYPE: MONTHTYPE 177

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6.122 SIMPLETYPE: MOVEUPDATEMETHODTYPE....177
6.123 SIMPLETYPE: MOVEUPDATETYPE....177
6.124 SIMPLETYPE: MPUIDTYPE....177
6.125 SIMPLETYPE: NS02....177
6.126 SIMPLETYPE: NS03....177
6.127 SIMPLETYPE: NS04....178
6.128 SIMPLETYPE: NS05....178
6.129 SIMPLETYPE: NS06....178
6.130 SIMPLETYPE: NS08....178
6.131 SIMPLETYPE: NS09....178
6.132 SIMPLETYPE: NS10....178
6.133 SIMPLETYPE: NS11....178
6.134 SIMPLETYPE: NS13....178
6.135 SIMPLETYPE: NS22....179
6.136 SIMPLETYPE: N01....179
6.137 SIMPLETYPE: N02....179
6.138 SIMPLETYPE: N03....179
6.139 SIMPLETYPE: N04....179
6.140 SIMPLETYPE: N05....179
6.141 SIMPLETYPE: N06....179
6.142 SIMPLETYPE: NEWADDRESSTYPE....179
6.143 SIMPLETYPE: ADDRESSTYPE....180
6.144 SIMPLETYPE: ONEPASSPLANNEDORACTUALFLAGTYPE....180
6.145 SIMPLETYPE: PACKAGEIDTYPE....180
6.146 SIMPLETYPE: PACKAGESERVICESTYPE....180
6.147 SIMPLETYPE: PACKAGINGMETHODTYPE....180
6.148 SIMPLETYPE: PALLETHANDLINGUNITTYPE....181
6.149 SIMPLETYPE: PALLETTYPE....181
6.150 SIMPLETYPE: PARENTCONTAINERREFIDTYPE....181
6.151 SIMPLETYPE: PERCENTAGETYPE....181
6.152 SIMPLETYPE: PERIODICALPRICETYPE....181
6.153 SIMPLETYPE: PERIODICALSTATEMENTTYPE....182
6.154 SIMPLETYPE: PERMITTYPETYPE....182
6.155 SIMPLETYPE: PHONENUMBERTYPE....182
6.156 SIMPLETYPE: PICKUPORDELIVERYTYPE....182
6.157 SIMPLETYPE: PLANETCODETYPE....182
6.158 SIMPLETYPE: POSTAGEGROUPINGIDTYPE....183
6.159 SIMPLETYPE: POSTAGEPAYMENTMETHODTYPE....183
6.160 SIMPLETYPE: POSTAGESTATEMENTLINENUMBER1TYPE....183
6.161 SIMPLETYPE: POSTAGESTATEMENTLINENUMBER2TYPE....183
6.162 SIMPLETYPE: POSTAGESTATEMENTLINENUMBER3TYPE....184
6.163 SIMPLETYPE: POSTAGESTATEMENTSTATETYPE....184
6.164 SIMPLETYPE: POSTAGESTATEMENTSTATUSTYPE....184
6.165 SIMPLETYPE: PRICETYPE....185
6.166 SIMPLETYPE: PRIMARYSECONDARYINDICATORTYPE....185
6.167 SIMPLETYPE: PROCESSINGCATEGORYTYPE....185
6.168 SIMPLETYPE: PROCESSINGCODETYPE....186
6.169 SIMPLETYPE: PVDSCONTAINERTYPE....186
6.170 SIMPLETYPE: PVDSCONTAINERSUBTYPE....186
6.171 SIMPLETYPE: QUALIFICATIONREPORTCLASSTYPE....186
6.172 SIMPLETYPE: RATECATEGORYTYPE....186
6.173 SIMPLETYPE: RATELEVELTYPE....187
6.174 SIMPLETYPE: RATELEVELINDICATORTYPE....188
6.175 SIMPLETYPE: RATETYPE....188
6.176 SIMPLETYPE: REASONCODETYPE....189

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6.177 SIMPLETYPE: RECIPIENTTYPE 189
6.178 SIMPLETYPE: RECURRINGSTATUSTYPE 189
6.179 SIMPLETYPE: RESERVATIONNUMBERTYPE 189
6.180 SIMPLETYPE: ROLETYPE 189
6.181 SIMPLETYPE: RESPONSIBLETRANSPORTATIONPARTYTYPE 190
6.182 SIMPLETYPE: ROUTINGZIPCODETYPE 190
6.183 SIMPLETYPE: S01 191
6.184 SIMPLETYPE: S02 191
6.185 SIMPLETYPE: S03 191
6.186 SIMPLETYPE: S04 191
6.187 SIMPLETYPE: S05 191
6.188 SIMPLETYPE: S06 191
6.189 SIMPLETYPE: S07 192
6.190 SIMPLETYPE: S08 192
6.191 SIMPLETYPE: S09 192
6.192 SIMPLETYPE: S10 192
6.193 SIMPLETYPE: S11 192
6.194 SIMPLETYPE: S12 192
6.195 SIMPLETYPE: S15 193
6.196 SIMPLETYPE: S16 193
6.197 SIMPLETYPE: S18 193
6.198 SIMPLETYPE: S20 193
6.199 SIMPLETYPE: S22 193
6.200 SIMPLETYPE: S25 193
6.201 SIMPLETYPE: S28 194
6.202 SIMPLETYPE: S30 194
6.203 SIMPLETYPE: S31 194
6.204 SIMPLETYPE: S37 194
6.205 SIMPLETYPE: S40 194
6.206 SIMPLETYPE: S45 194
6.207 SIMPLETYPE: S50 195
6.208 SIMPLETYPE: S60 195
6.209 SIMPLETYPE: S64 195
6.210 SIMPLETYPE: S66 195
6.211 SIMPLETYPE: S72 195
6.212 SIMPLETYPE: S80 195
6.213 SIMPLETYPE: S255 196
6.214 SIMPLETYPE: S256 196
6.215 SIMPLETYPE: S260 196
6.216 SIMPLETYPE: SACKINGBASISTYPE 196
6.217 SIMPLETYPE: SCHEDULEDINDUCTIONDATETYPE 196
6.218 SIMPLETYPE: SCHEDULEDINDUCTIONTIMETYPE 196
6.219 SIMPLETYPE: SEGMENTIDTYPE 196
6.220 SIMPLETYPE: SERVICELEVELINDICATORTYPE 197
6.221 SIMPLETYPE: SERVICECODETYPE 197
6.222 SIMPLETYPE: SERVICETYPECODETYPE 197
6.223 SIMPLETYPE: SORTATIONLEVELTYPE 197
6.224 SIMPLETYPE: SERVICESUBCODETYPE 198
6.225 SIMPLETYPE: STATECODE 198
6.226 SIMPLETYPE: STATUSTYPE 200
6.227 SIMPLETYPE: STOPDESIGNATORTYPE 200
6.228 SIMPLETYPE: SURCHARGETYPE 200
6.229 SIMPLETYPE: TOTALWEIGHTTYPE 200
6.230 SIMPLETYPE: TRAILERLENGTHTYPE 200
6.231 SIMPLETYPE: TRANSPORTATIONMETHODTYPE 201

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6.232 SIMPLETYPE: TRANSSHIPBOLNUMBERTYPE 201
6.233 SIMPLETYPE: TRAYTYPE 201
6.234 SIMPLETYPE: TRUCKDISPATCHNUMBERTYPE 201
6.235 SIMPLETYPE: UNITLOADTYPE 201
6.236 SIMPLETYPE: UNLOADSTATETYPE 201
6.237 SIMPLETYPE: UOMTYPE 202
6.238 SIMPLETYPE: UNIQUECONTAINERIDTYPE 203
6.239 SIMPLETYPE: USERINFORMATIONLINE1TYPE 203
6.240 SIMPLETYPE: USERINFORMATIONLINE2TYPE 204
6.241 SIMPLETYPE: USERLICENSECODETYPE 204
6.242 SIMPLETYPE: USPSPICKUPTYPE 204
6.243 SIMPLETYPE: VERIFICATIONLOCATIONTYPE 204
6.244 SIMPLETYPE: VERIFICATIONREPORTTYPE 204
6.245 SIMPLETYPE: WASTEDPIECEINDICATORTYPE 204
6.246 SIMPLETYPE: WEEKFREQUENCYTYPE 205
6.247 SIMPLETYPE: WEIGHTBREAKTYPE 205
6.248 SIMPLETYPE: YESNO 205
6.249 SIMPLETYPE: ZIPCODETHREEORFIVEDIGIT 205
6.250 SIMPLETYPE: ZONEICTYPE 206
6.251 SIMPLETYPE: ONEPASSORTWOPASSTYPE 206

7. APPENDIX C - WSDLS AND XSDS 206

INDEX 210

Document Change History

These are the changes from RIBBS Version 9.5.3 (Aug 9, 2011).

These changes are being implemented to contribute to the goal of editing of the Postal Service Mail.XML technical specification by function (eDoc, Data Distribution, FAST), which are themselves further divided by Mail.XML versions ie. 9.0C, 10.0, 11.0 supported in a release.
These changes are being implemented to contribute to the goal of breaking down and editing the Postal Service Mail.XML technical specifications by Mail.XML supported versions to facilitate editing and enhance readability and navigation throughout the document.
In addition, to easier navigation, some sections such as the appendixes have been reorganized.

Previously the technical specifications were just divided by function (eDoc, Data Distribution, FAST). In that scheme, all supported Mail.XML for each release were all combined in one technical specification per function release. i.e. For Release 28 (November 2011) the Mail.XML eDoc technical specification included the supported Mail.XML versions 9.0B, 9.0C and 10.0C, as while the FAST technical specification containing Mail.XML 8.0B and 10.0 versions.
This approach resulted sometimes in bulky document that became difficult to edit, manage or read as with documents mounting up to sometimes 1000 pages.

With the new editing process, the technical guides are edited focusing on the Mail.XML supported version per function.
For instance, the FAST guide supporting Mail.XML 8.0B and 10.0 versions will have two different sub-Technical specifications for Release 29 (January 2012).

Each technical specification will also group all Mail.XML version and their respective supported errata versions.

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For instance, 9.0B and 9.0C supported in eDoc technical specification for Release 28 are combined in one document since they are errata for Mail.XML 9.0. However if Mail.XML 8.0B and 8.1 were supported, they would have been in two different documents since they are not of the same Mail.XML version.
By convention, Mail.XML version name containing a letter, such as 7.0C, 9.0B, 10.0A are considered errata. In contrast, Mail.XML 8.0 and 8.1 are considered to be two different versions.

The following are the changes from Version 9.5.3 to Version 1.0.0

The version number of the document is being reset to 1.0.0 instead of following the 9.5.3 series because of the new editing approach explained above.
Note that the contents of the business rules and data structures do not change from Version 9.5.3 to Version 1.0.0 in this document. Only the format and organization of the document are modified to facilitate editing for the editors and readability for the readers.

Editors	Dates	Section #	Title	Description
Mema Bamba	09/29/2011	4.3.1	Updated Error and Warning messages	Inserted a new table for Updated Error and Warning messages
Mema Bamba	09/29/2011	1.7	Roadmap of Mail.XML	Changed the decommissioning date of Mail.XML 6.0D from October 28, 2011 to December 30, 2011.
Mema Bamba	09/26/2011		Document Change History	Added the changes history from the previous versions to have a complete history log of the guide updates.
Mema Bamba	09/26/2011		Document Change History	Added "NOTE: Below are the document updates before the split into one Mail.XML major version per technical specification." to the history log
Mema Bamba	09/01/2011		Document Change History	Added a new column "Date" to the table of Change History to record the dates of implemented changes.
Mema Bamba	08/31/2011	3.0	Mail.XML 8.0B - FAST Message and Data Structures	Added new headers to the tables of Mail.XML 8.0B FAST message data structures
Mema Bamba	08/31/2011	5.0	Appendix A	Added new headers to the tables of Complex and Attribute Data Types Data Structure for Mail.XML 8.0B
Mema Bamba	08/25/20011	Title and Header		Updated Title and Header to include Mail.XML 8.0B
Mema Bamba	08/25/20011	Footer		Updated Footer with current version 1.0.0 and date

NOTE: Below are the document updates before the split into one Mail.XML major version per technical specification.

The following are the changes from Version 9.5.2 to Version 9.5.3

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Section #	Title	Description
Title and Header		Updated Title and Header to include November 2011 Release
Footer		Updated Footer with current date 8/09/2011
All	Mail.XML Data Structure for 7.0C messages	Remove all references to Mail.XML 7.0C
All	Mail.XML Data Structure for 6.0D messages	Removed the note that clearly states that this section will be removed from this guide at its next update schedule.

The following are the changes from Version 9.5.1 to Version 9.5.2

Section #	Title	Description
All	Mail.XML Data Structure for 6.0D messages	Removed the note that clearly state that this section will be removed from this guide at its next update schedule.
All	All	Changed the reference across this document from 9.1 to 10.0 since FAST shall be supporting 10.0 and not the 9.X version
Section 3	Mail.XML Data Structure for 6.0D messages	Added a note to clearly state that this section will be removed from this guide at its next update schedule.
All	All	1. Updated the data structure of existing Mail.XML 10 version section to Mail.XML 10A version 2. Updated the complex type associated with the Mail.XML 10A messages 3. Updated the complete Simple Type table in Appendix E
All	All	4. Updated rules, language and grammar
All	Heading formatting	Heading formatting throughout the document for better readability and clear organization
Section 1.5	Roadmap of Mail.XML	Removed the column for Mail.XML 6.0D messages

Following are the changes from Version 9.4 to Version 9.5.1

Section #	Title	Description
1.1	Program Overview	1. Added a detailed section on the scope of Mail.XML 9.1/10.0 and explained the new XSD hierarchy that is being introduced from Mail.XML 9.X version. 2. Re-arrange the section to clearly outline the change history for Mail.XML 8.1 version
1.2	About Schema Modularization	Added a new section to describe the new XSD

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Section #	Title	Description
		hierarchy and individual modules. Explained each module briefly to help reader understand each module.
1.3	What Schema's Cover FAST functionality?	Added a new section to help reader clearly understand the modules that constitutes FAST functionalities.
1.4	USPS® Limitation Rule on Transaction Requests	Added a new section to clearly outline the USPS limitations for users of FAST functionalities on the number of requests that they should attempt in a day.
1.5	Roadmap of Mail.XML	Updated the roadmap table to reflect the correct versions that are being supported today and will be supported in January 2011 and Summer or Fall of 2011. Also updated the table that lists all messages organized by versions to reflect the new messages that will be added and supported in Mail.XML 9.1/10.0 version.
1.8	About This Document	Added a clarification note stating that simple type included in Appendix E is same across all Mail.XML technical specifications.
1.11	Environments Supported by USPS	Added section on TEM and Production environments and briefly explained each environment.
1.12	*PostalOne!* WSDL Information	Re-written the section clearly explain the different types of WSDLs that user can use to consume the WSDLs such as "String-Type WSDL" and "Message-Type WSDL"
2.1	Overview (FAST)	Added a brief description on when Mail.XML 9.1/10.0 for FAST will be supported.
2.3	*PostalOne!* FAST Mail.XML Web Services Supported Messages	Added a description explaining the workflow of FAST messages in all supported versions.
2.4	FAST Workflow for Mail.XML	Properly arrange the section to clearly show the workflow of FAST messages.
3.0	Mail.XML 6.0D – FAST Messages and Data Structure	Formatted the section to follow format used throughout the document.
5.0	Mail.XML 9.1/10.0 – FAST Messages and Data Structure	Added a new section that lists all Mail.XML messages supported in FAST with details on every message such as business rules and data structure

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Section #	Title	Description
Appendix A	WSDLs and XSDs	Added new links/url for the Mail.XML 9.1 and future versions.
Appendix B	Mail.XML 9.1/10.0 – FAST Complex types Data Structures	Added a new appendix listing all the complex types and attributes blocks used by FAST messages with details such as Business rules and data structure.
Appendix E	Simple Types Data Structure	Updated this section with all new and modified simple types.

Following are the changes from Version 9.3 to Version 9.4

Section #	Title	Description
6.1	Closeout Data	Added a section to provide the current workflow of how closeout data is disseminated to MailOwner and MailPreparer

Following are the changes from Version 9.2 to Version 9.3

Section #	Title	Description
Document	Throughout	Fixed the formatting; language; and spellings throughout the document.
Document	Throughout	The word 'PostalOne!' was replaced with '*PostalOne!*' throughout the document.
1.1	Mail.XML 8.0	Fixed typo, corrected Mail.XML to Mail.XML
1.9	All	Added more details to explain the usage of the MailPreparerID field for Standalone content and distribution of closeout data.
4.8	Mail.XML 8.0 B Specific Business Rules	Statement/Item/Bullet 6. Rephrased parts of the statement. Added the closeout blocks that contain closeout information.

Following are the changes from Version 9.1 to Version 9.2

Section #	Title	Description
Appendix A	WSDLs and XSDs	Added the URL to access the Mail.XML 8.1 WSDLs and XSDs in TEM and Production environment.

Following are the changes from Version 9.0 to Version 9.1

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Section #	Title	Description
All	All	Clearly stated that FAST will support only 6.0D and 8.0B versions of Mail.XML in November 2010 release.
1.6	How To Read Data Structure	Added clarity for the reader to understand what the difference is between Required, Optional, and Conditionally required elements. In addition, clarified scenarios where a block within the message is REQUIRED but all elements within the block are OPTIONAL and vice versa.
1.8	Exceptions	Added Exceptions for 8.0B for CSA pallets and for recurring appointments. Deleted Exception about UTF-8 BOM issue which is fixed in May 2010
4.0	Mail.XML 8.0B – FAST Messages and Data Structures	Added ability to query for Drop Ship and Origin Entry recurring appointment by status.
4.1.1	Appointment Closeout Messages	Added SchedulerCRID and CreatorSchedulerCRID.
4.1.3	ConsigneeGoodsReceipt	Removed RecurringAppt and ConsigneeFacility.
4.4.4	DeliveryApptQueryRequest	Added SubmittingParty and SubmittingSoftware.
4.4.5	DeliveryApptCancelCreateRequest	Switched the order of SchedulerID and SchedulerCorpID.
4.4.8	DeliveryApptCancelResponse	Removed CancelConfirmID.
4.4.10	DeliveryApptCancelCreateResponse	Removed CancelConfirmID.
4.5.8	DeliveryContentQueryResponse	Removed ShipperStopNumber.
6.1	Additional Rules/Constraints	Changed description for Container Level AE, AF, and AG. Also, added rules for PartnerApptQueryResponse and DeliveryContentQueryResponse
6.3	Error Codes/Return Values	Added messages 3081, 3100, 3135, and 3158 through 3161.

Following are the changes from Version 8.9 to Version 9.0

Section #	Title	Description
All	All	Performed spell check and grammar correction
All	All	Removed Messages, data structures, and business rules associated with Mail.XML 4.0 for FAST
1.8	Exception	Added the following exception: An issue has been identified in the processing of appointment contents for logical mailings. If only Mail.dat summary block is provided in the Mail.XML, appt create messages, then due to a specification limitation *PostalOne!* may not send accurate data to the FAST system. Logical mailers must send the USPSSummary

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Section #	Title	Description
		block until the Mail.XML 9.0 specification is updated and implemented by PO/FAST.
1.8	Exception	Added the following exception: An issue with processing of UTF-8 BOM (Byte Order Mark) character has been identified. At this time *PostalOne!*/FAST does not support UTF-8 BOM characters and this feature will be supported in a future release.

Following are the changes from Version 8.8 to Version 8.9

Section #	Title	Description
All	All	Update references of Mail.XML 8.0 to Mail.XML 8.0B, SchedulerID and SchedulerCorp ID are optional fields for FAST messages in Mail.XML 8.0B Added comment that 4.0 support is going away in summer 2010
All	All	Corrected the messages in this Specs to match with the names used in the Mail.XML XSD
1.1, 1.3, 1.5,	Intro, purpose, Mail.XML 8.0B	Updated the sections for 8.0B and to make them FAST specific
1.8	Exceptions	- Grammar corrections made for the row with title 8.0B - Added Consignee Appointment ID alongside Appointment ID
1.6	Issue Resolution	Added new section that provides a link for readers to get most updated list of issues and work-arounds from the RIBBS® website. Added current examples of issues.
1.8	Exception	Added 8.0D MaildatCode exception and modified the 6.0D presort code exception
2	FAST Workflow for Mail.XML	Section reviewed and message names updated to reflect new message names, primarily replaced the words “Appointment” with “Appt”
2.3	*PostalOne!* - FAST Mail.XML Web Services Supported Messages	Removed the first paragraph, as it was the information provided in the second paragraph covered the information in the first one.
2.4	DeliveryContent Message name	Updated messages name from DeliveryAppointmentContent to DeliveryContent. Added information support for DeliveryContent messages for Transporters. Added the Mail.dat recurring update scenario just for Mail.dat updates
4.4	Delivery Appointment Messages	Grammatical updates made to make the list more consistent,
5.1	Update attribute name	AllAppointmentCloseoutResponse changed to AllApptCloseoutResponse, AllDeliveryAppointmentCloseoutResponse changed to

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Section #	Title	Description
		AllDeliveryApptCloseoutResponse, RequestMessageHeaderInfo to RequestMsgHeaderInfo, Changed CreatorSchedulerCorpID to optional
5.4	Delivery Appointment Messages	Grammatical updates made to make the list more consistent.
5.8	Mail.XML 8.0B Specific Business Rules	Added the Mail.dat transportation updates clarification for the recurring appointment for Full-Service compliance.
6.1	Additional Rules/Constraints	Updated rules for the when errors are returned as part of the Delivery Appointment Query message. Added logic for returning a ReturnInfoBlock with IMCB warnings Noted which functionality is for only certain Mail.XML specifications. Updated rules for multiple Mail.XML specifications to include Mail.XML 8.0B. Added details of the interaction between Web Services and the online application Added the description of two new files i.e. BMEU and CET file that is available for download from fast.usps.com -> Resources -> Drop Ship Product Download section. The BMEU file can be used to identify the Locale Key of the Plant and CET file can be used to determine the Critical Entry Time of the Plant by which the mail must arrive for induction
6.10	Closeout Messaging for Mail Owner and Mail Preparers	Added details of Mail Owner and Mail Preparer support for Closeout messages
6.12	Authentication	Updated authentication details as of March 2010 to include what portions *PostalOne!* will continue to perform and what portions FAST will take over
Appendix E	Simple Type	Added the English translation for the simple type codes/enumerations
INDEX	INDEX	Index added at the end of the document

Following are the changes from Version 8.7 to Version 8.8

Section #	Title	Description
6.8	*PostalOne!* WSDL Information	Added the definition for String-type and Message-type WSDLs
Appendix A	WSDL and XSD	Added the URL's for accessing the different WSDLs for TEM and production environments.

Following are the changes from Version 8.6 to Version 8.7

Section #	Title	Description
All	All	Fixed spelling and grammar mistakes.

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Section #	Title	Description
5.0	Mail.XML 8.0B Specifications (Full-Service Release 3 FAST Messages)	Added new fields to message layouts and added a list of supported capabilities of FAST in Mail.XML 8.0 Version for March Release.
6.3	Error Codes/Return Values	Added return codes 3145, 3146, 3147, 3148, 3149, 3150, and 3151.
6.4	Drop Entry Point Warning Codes and Descriptions	Added additional warning codes 4028 and 4029. Updated text and explanation of warning codes 4018 and 4020.
Appendix D	Appendix D for Complex Types Data Structure for Mail.XML 8.0 Specification for FAST Messages	Added Appendix D for Complex Types Data Structure for Mail.XML 8.0 Specification for FAST Messages with message descriptions in alphabetical order
Appendix E	Simple Types Data Structure	Rename Appendix D to Appendix E. Updated content header format to body text format.

Following are the changes from Version 8.5 to Version 8.6

Section #	Title	Description
All	All	Renamed the references of Mail.XML 7.0C to Mail.XML 8.0B throughout the document
All	All	Updated the element names with the actual simple type names
All	All	Fixed spelling and grammar mistakes.
1.2	Roadmap of Mail.XML	Added new section to outline the Mail.XML versions supported in Pre/ Post November Release and March 2010 release.
1.3	Document Scope	Added the clarification in the 'Document Scope' section to clearly outline the content of the FAST specification
1.5	About This Document	Added clarification note to explain the Appendix D (Simple Types Data Structure) and also identify the exception that Appendix D does not contain simple types for Mail.XML 4.0 version
1.7	Exceptions	Added an exception that when customer is providing USPSSummary block data for FAST appointment/content management – it is recommended that they also provide maildatsummary block data when available even though maildatsummary block is not required. This data will be useful for future eInduction application support. Another exception is that if the customer is submitter than they will not get the closeout data. Closeout data is provided to Mail Owner, Mail Preparer, and Scheduler only Another exception is that for entity creating Stand-alone

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Section #	Title	Description
		content, the entity shall provide their own SchedulerID or CRID to the FAST system in the MailPreparerID field of ContentUSPSSummaryType block in DeliveryContentCreateRequest and DeliveryContentUpdateRequest Messages
6.3	Error/Return Codes	Corrected one Error/Return code from '3014' to '314'
6.8	*PostalOne!* WSDL Information	Added a note to state that Mail.XML 8.0 WSDLs will be available later.
5.1	*Business rules for 8.0B*	Added this new section to identify new business rules for the Mail.XML 8.0B March 2010 implementation.
Appendix A	WSDL	Added a note that Mail.XML 8.0 WSDLs will be available later
Appendix D	Simple Types Data Structure	Added new appendix to show the simple types data structure

Following are the changes from Version 8.4 to Version 8.5

Section #	Title	Description
All	All	Renamed the references of Mail.XML 7.0B to Mail.XML 7.0C throughout in the document
All	All	Specified the acceptable format for 'date' and 'datetime' data type as 'YYYY-MM-DD' and 'YYYY-MM-DDTHH:MM:SS' respectively
All	All	Globally renamed 'Mail.XML' to 'Mail.XML'
All	All	Italicized the word '*PostalOne!'* throughout the document
All	All	Corrected spelling and grammar mistakes
1.3	Intended Audience	Added a new section 'Intended Audience'
1.4	About This Document	Added new section 'About This Document'
4.0	Mail.XML 6.0D Specifications	Added a list of supported capabilities of FAST in Mail.XML 6.0D Version for November Release. With November 15th release of Full-Service Release 2, the following additional capabilities are available in FAST for customer transported origin entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services) in Mail.XML 6.0D. • Joint Scheduling • The ability to create and manage appointments at 10 minute intervals for one-time and recurring appointments

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Section #	Title	Description
		• The ability to provide the Intelligent Mail Container Barcode (IMCB) up to 5 days past the appointment date/time using the DeliveryContentUpdateRequest
4.4 4.4.1 4.4.2 4.4.3 4.4.4 4.5 4.5.2 6.1	Multiple	Added and clarified existing business rules. • 4.4: The ability to create appointments at 10-minute intervals for customer transported origin entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services). This applies to one-time and recurring appointments. This will be available in FAST as of November 15, 2009. • 4.4.X: added 10 minute and 5 day rules, as well as class description. • 6.1: Mail.XML 6.0D DeliveryApptShellCreateRequest messages will be designated as drop ship if the PickupOrDelivery element is set to “Delivery”. If the PickupOrDelivery element is set to “Pickup”, the DeliveryApptShellCreateRequest message will be designated as Origin Entry.
Appendix A	WSDL	Removed push WSDLS and XSDs from eDoc, since eDoc does not support PUSH capability. Updated the URL from where the latest WSDL files can be downloaded.
Appendix-B and Appendix-C	-	Removed the exception added in Version 8.3 for the missing state codes and incorrectly spelled state code of Missouri because it will be fixed in Mail.XML 7.0C

Following are the changes from Version 8.3 to Version 8.4

Section #	Title	Description
4.2	Appointment Shell Messages	Removed note for Delivery Appointment Shell messages only working for drop shipment scenarios.
4.5	Delivery Content Messages	Removed note for Delivery Content messages only working for drop shipment scenarios.
4.5.2	Delivery Content Update Message	Added a note about the Delivery Content Update Message and updates to the IMCB for OE content
6.1	Additional Rules/Constraints	Added an additional validation to clarify that the Origin Entry appointments may be scheduled in 10-minute intervals.
6.3	Error Codes/Return Values	Added return codes 3136, 3137, 3138, 3139, 3140, 3141, 3142, 3143, and 3144. Updated text of return code 3053. Added one more variation for Fault Code 500
6.4	CIN Warning Codes and Descriptions	Added warning codes 4028 and 4029. Updated text and explanation of warning codes 4018 and 4020.

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Section #	Title	Description
6.6	Web Services Additional Constraints	Updated Mail.XML 6.0D namespaces and schema locations
6.8	WSDL Information	Added clarification and links for String-types WSDL and XSD-type WSDLs
Appendix-B and Appendix-C	-	Added an exception note on missing state codes

Following are the changes from Version 8.2 to Version 8.3

Section #	Title	Description
1.4	Exceptions	Added a section “Exceptions” that lists all exceptions of FAST functionality.

The following is the change history from Version 8.1 to Version 8.2

Section #	Title	Description
Document	All	Changed the reference of Mail.XML 7.0A to Mail.XML 7.0B as latest version of Mail.XML Clarified that FAST messages in Mail.XML 7.0B will be supported in March 2010 release.

All Previous Change History

Section #	Title	Description
Document	All	Created new document ‘Postal Service Mail.XML Technical Specification for Appointment Scheduling (FAST)’ from the original ‘Postal Service Mail.XML Technical Specification Version 7.5’
Document	All	Renamed the ‘Errata Identified’ column to ‘Comments’ in all data structure tables
Document	All	Used the correct references of Mail.XML version. Replaced Mail.XML 7.0 references to Mail.XML 7.0A
1.1	What is Mail.XML?	1. Clarified the correct version of the Mail.XML in November release i.e. 7.0A 2. Added clarification on what versions of Mail.XML will be supported in November i.e. Mail.XML 4.0, Mail.XML 6.0D and Mail.XML 7.0A 3. Added table that lists the messages supported in Mail.XML 4.0 specification 4. Added table that lists the messages supported in Mail.XML 6.0D specification 5. Added table that lists the messages supported in Mail.XML 7.0A specification

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1.2	Purpose	Added the following Introduction to the Purpose Section: Facility Access and Shipment Tracking (FAST) is a USPS appointment scheduling system utilized by large volume customers to provide advanced notification (logistics and mail content) of mail induction. FAST appointments are required for drop shipments as well as Full-Service customer-transported origin entry mailings. Mailers can provide this data via on-line or Web Services integration between their supply chain systems. Additionally, FAST leverages USPS enterprise systems to incorporate facility information, customer information, address information, and drop ship discounts processed at a corresponding USPS facility. While scheduling, FAST validates the advanced notification information provided by mailers against the "facility profile." Key operational validation questions include: • Is the facility open and staffed to handle drop shipments? • Does this facility accept/process the drop shipment discounted mail that is planned for induction? • Does the volume of mail planned for induction exceed the facility's capacity? Once the advance notification information is validated in FAST, this data is vital to the USPS for facility planning, dock utilization, yard management, and other operational activities. Also Removed the references for MTAC in this section. Also, added clarification that list of error codes, return code, and WSDL are part of this specification
1.3	Environments Supported By USPS	1. Converted existing paragraph into new section 2. This section lists and describes the environment that will be supported by USPS in November 2009 3. Removed the 'CAT (Customer Acceptance Environment' paragraph from this section
2.5	FAST Workflows for Mail.XML 6.0	Added Section for FAST Workflows for Mail.XML 6.0
3.0	Mail.XML 4.0 Specifications	Added data structures for the Mail.XML 4.0 Specification supported messages as per the family of messages. Added a new Section for Mail.XML and provided the updates.
4.0	Mail.XML 6.0D Specifications	Added data structures for the Mail.XML 6.0D Specification supported messages as per the family of messages.
4.1.2	AllApptCloseoutResponse Message	Added "CreatorSchedulerCRID' or type Mail.XML_base:CRIDTYpe as an optional attribute.
5.0	Mail.XML 7.0A Specifications	Added the only changes to from Mail.XML 6.0D to Mail.XML 7.0A
6.5	Fault Codes	Updated the Fault Error Codes. Added three variations of 412 and one variation of 403 fault codes.

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6.8	*PostalOne!* WSDL Information	Added clarification on WSDL and User Authentication XSD and provided links for downloading WSDL and links for accessing the web service in Production and TEM environment
Appendix A		Added Appendix A for WSDLs and XSDs from the original Mail.XML Specification
Appendix B		Added Appendix B for Complex Types Data Structure for Mail.XML 4.0 Specification for FAST Messages with message descriptions in Alphabetical order
Appendix C		Added Appendix C for Complex Types Data Structure for Mail.XML 6.0D Specification for FAST Messages with message descriptions in Alphabetical order

1. Postal Service Mail.XML Technical Specification

1.1 Program Overview

The *PostalOne!*® system is an electronic suite of services being developed for business mailers by the United States Postal Service® to significantly improve the mailing process. The system takes advantage of the advances in technology and leverages them to significantly improve and simplify the mailing experience.

One of the ways in which the system enables customers to electronically send detailed information to *PostalOne!* is using the mailing industry's standardized Mail.XML™ format. Mail.XML is an XML-based IDEAlliance® specification for web services. Web services uses simple HTTP(s) protocol to communicate data over the Internet, bypassing technology-specific restrictions and avoiding network-related security rules. See the IDEAlliance Mail.XML specifications at http://www.idealliance.org.

All business functions supported by the USPS as part of the Mail.XML implementation are based upon SOA (Services Oriented Architecture). With this architecture, mailer's software manages the data transactions for query, create, update, and cancel business functions as well as subscription model. Additionally, mailers' software is able to receive synchronous and asynchronous transactions through Web Services protocol from the USPS in support of the just-in-time communication architecture.

The Postal Service implementation of Mail.XML is a complement to Mail.dat. Mailers using Mail.dat can continue to use it as a database, but can use Mail.XML for communication and automation of business to business processing. Mail.XML allows business function-specific communication and faster change management processes with little to no impact to other service providers. For example, you can add optional fields or new messages without requiring software in the mailing supply chain to change. This is a core improvement area for the Mail.dat® specification.

Mail.XML allows the support of electronic documentation and end-to-end mailing supply chain business process management for a multitude of business processes. Mail.XML includes qualification reports, container and bundle reports, spoilage, eDropShip, containerization nesting, postage statements, postage adjustments, postage status query information, piece detail, piece ranging, and many other business process related communications. Mail.XML also provides the ability to electronically access USPS full-service data and to perform business functions related to full-service. Mail.XML allows create, update, and cancel transactions for the Cast of Characters (brokering of information) messages. Mail.XML supports

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copalletization, mixed mailing, manifest mailing, and business processes specific to MLOCR and continuous mailing environments.

One fundamental difference in the Mail.dat file and in Mail.XML messages is information content. For example, for qualification reports and postage statements Mail.dat calculates from the raw data in several Mail.dat files the copies and pieces at each price level in the qualification report and the postage statements. This sometimes leads to round-off differences compared to qualification reports and postage statements calculated by the mailer using the same Mail.dat file. In Mail.XML, the mailer provides the numbers of copies and pieces for each price level directly and there is less round-off error.

The *Postal Service Mail.XML Technical Specification* is separated based on subject matter into the following volumes:

- *Postal Service Mail.XML Technical Specification for Postage Payment & Reporting (eDoc)*
- *Postal Service Mail.XML Technical Specification for Appointment Scheduling (FAST)*
- *Postal Service Mail.XML Technical Specification for Profiles & Full-Service Feedback*

This document describes the messages for the FAST system for appointment and content management.

1.2 Mail.XML 8.0B Change History

Mail.XML 8.0B was created to support authorization and customer identification through Customer Registration IDs (CRID). Additionally, USPS made changes to improve partner-related query information and improved Closeout data dissemination to owners and preparers who are not the actual schedulers of the appointments.

1.3 General XML and Web Services Information

XML
XML stands for eXtensible Markup Language and it is designed to transport and store data. For general information on XML, please visit http://www.w3schools.com/xml/default.asp
XSD
An XSD is the XML Schema that describes the structure of an XML document. For general information on XSD, please visit http://www.w3schools.com/Schema/default.asp

Web Service
A Web Service is a feature that converts your software into internet-based software and publishes its functions/message to the users of the internet. For general information on Web Services, please visit:
http://www.w3schools.com/webservices/default.asp
http://www.w3schools.com/wsdl/default.asp
http://www.w3schools.com/soap/default.asp

1.4 About Schema Modularization

From Mail.XML 9.X and onward publications, Mail.XML messages will be grouped into 6 sets:

- Transportation Messages (focus of this guide)
- Mailing Messages
- Data Distribution Messages
- Identification Messages
- Supply Chain Messages
- System Messages

The underlying schemas have been modularized to reflect these distinct message sets. Additionally, three “shared” or “common” schemas have been developed and they are:

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1. One stores simple Mail.XML Mailing Message Specification type definitions that can be shared across message sets.
2. A second common module is made up of common elements and complex types that are shared across two or more message sets.
3. The final common module is made up of system messages and the attributes, elements and complex types that are *unique* to these messages.

Mail.XML schema modules are designed to stand alone, separated by business functions, enabling those interested in one or more message sets to develop and validate just those message sets without the requirement to address the entire Mail.XML specification. Each module will validate by itself or in combination with all other message sets when the entire Mail.XML Specification is considered. In addition, each module will be versioned separately.

Version numbers are contained within the namespace designation. Modules will be documented individually as well.

The following Mail.XML XSD modules/namespaces have been developed:

- **mailxml_tm.xsd**: This module contains all the transportation (or FAST) messages with their attributes, elements and complex types that are *unique* to these messages. ***Namespace=mailxml_tm***

- **mailxml_mm .xsd**: This module contains all the mailing messages (eDoc) with their attributes, elements and complex types that are *unique* to these messages. ***Namespace=mailxml_mm***

- **mailxml_dd.xsd**: This module contains all the data distribution messages with their attributes, elements and complex types that are *unique* to these messages. ***Namespace=mailxml_dd***

- **mailxml_id.xsd**: This module contains all the identification messages(CRID, MID etc.) with their attributes, elements and complex types that are *unique* to these messages. ***Namespace=mailxml_id***

- **mailxml_sc xsd**: This module contains all the supply chain messages (Cross functional container based and other Mail.dat/Mail.XMl update functions) with their attributes, elements and complex types that are *unique* to these messages. ***Namespace=mailxml_sc***

- **mailxml.xsd**: This module contains all the system messages with their attributes, elements and complex types that are *unique* to these messages. Note that in order for the MessageResponseRetrievalResponse to work, all the other message modules are included by the system.xsd. ***Namespace=mailxml***

- **mailxml_defs.xsd**: This module contains all the common definitions of attributes, elements and complex types that are used across one or more message types. **Namespace=mailxml_defs**

- **mailxml_base.xsd**: This module contains all the simple types that are used everywhere in the mailxml. These are simple types that are associated with every element of each message. ***Namespace=mailxml_base***

1.5 What Schema's Cover FAST Functionality?

With the break-down of XSD into multiple schemas – the FAST functionality will be covered by mailxml_tm.xsd module.

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In addition to the above modules, mailxml_base.xsd and mailxml_defs are common/shared XSD that will be referred by each of these individual FASTspecific modules.

Lastly mailxml.xsd module will be the source XSD that will connect all messages to their system level attributes. For example – MessageResponseRetrievalReponse is shared attribute/complex type associated to almost every single Mail.XML message regardless of whether it is a Data Distribution functionality or FAST or eDoc functionality. The other examples are DeliveryResponse, NotificationResponse, Fault, etc.

1.6 USPS® Limitation Rule on Transaction Requests

USPS has recently encountered unordinary high volume with specific Mail.XML transactions by FAST and Full Service Data Distribution users, which is causing a serious performance impact on several USPS servers that deal with authorization of all of the Mail.XML transactions.

The Postal Service is recommending USPS Mail.XML customers update their Mail.XML software to query the USPS *PostalOne!*/FAST systems no more than seven times per hour. Similarly, USPS customers are encouraged to avoid setting up their web services pull software to query the *PostalOne!* servers no more than 200 times in a given 24 hour period for their eDoc, FAST, or Full Service related data queries. This change is required on the customer's end and will greatly assist in avoiding subsequent performance issues with different Mail.XML business transactions that can hinder quality of service, while at the same time allowing many opportunities to query necessary postal data. Likewise, in order to improve overall experience for all customers it is absolutely necessary that customers program their software to query the USPS systems for different transactions at different times, i.e., configure some queries to occur at odd times, e.g., FAST queries and configure other queries, e.g., eDoc and Data distribution to occur at even times.

1.4.1 USPS Asynchronous Transaction rule (24 Hour Rule) with Tracking IDs

USPS will start making a tracking ID (an Id generated in case there is a delay in giving a response back to the customer) stale after 24 hours of its generation. The customer needs to restart the transaction after 24 hours on non-response from the *PostalOne!* System for any of their FAST Mail.XML transactions.

1.7 Roadmap of Mail.XML

The table below shows what is supported now and what will be supported Fall 2011 for FAST.

FAST Functionality	November 2010 Release 25.0.0	January 2011 Release 26.0.0	June 2011 Release 27.0.0
	Mail.XML 6.0D Mail.XML 8.0B	Mail.XML 6.0D Mail.XML 8.0B	Mail.XML 6.0D * Mail.XML 8.0B Mail.XML 10.0 **

The version(s) flagged with single asterisk (*) are planned for decommissioning on December 30, 2011.
The version(s) flagged with double asterisk (**) are new version(s) which are planned for implementation with the release date.

The table below lists all Mail.XML FAST related messages by versions. The versions listed below are 8.0B (supported today)

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Message Name	Mail.XML8.0B
AllApptCloseoutResponse	X
AllDeliveryApptCloseoutRequest	X
ConsigneeGoodsReceipt	X
CustomerSupplierAgreementQuery Request	X
CustomerSupplierAgreementQuery Response	X
DeliveryApptCancelCreateRequest	X
DeliveryApptCancelCreateResponse	X
DeliveryApptCancelRequest	X
DeliveryApptCancelResponse	X
DeliveryApptCreateRequest	X
DeliveryApptCreateResponse	X
DeliveryApptQueryRequest	X
DeliveryApptQueryResponse	X
DeliveryApptShellCancelRequest	X
DeliveryApptShellCancelResponse	X
DeliveryApptShellCreateRequest	X
DeliveryApptShellCreateResponse	X
DeliveryApptShellUpdateRequest	X
DeliveryApptShellUpdateResponse	X
DeliveryApptUpdateRequest	X
DeliveryApptUpdateResponse	X
DeliveryContentCancelRequest	X
DeliveryContentCancelResponse	X
DeliveryContentCreateRequest	X
DeliveryContentCreateResponse	X
DeliveryContentQueryRequest	X
DeliveryContentQueryResponse	X
DeliveryContentUpdateRequest	X
DeliveryContentUpdateResponse	X
MessageResponseRetrievalRequest	X
MessageResponseRetrievalResponse	X
PartnerApptQueryRequest	X
PartnerApptQueryResponse	X
RecurringApptQueryRequest	X
RecurringApptQueryResponse	X
UnscheduledConsigneeGoodsReceipt	X
StaleContentDelivery	
StaleContentNotification	
StateContentQueryRequest	
StateContentQueryResponse	
USPSDeliveryContentUpdatedDelivery	
USPSDeliveryContentUpdatedNotification	

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USPSDeliveryContentUpdatedQueryRequest	
USPSDeliveryContentUpdatedQueryResponse	
PartnerContentAssignmentRequest	
PartnerContentAssignmentResponse	
AllApptCloseoutDelivery	
AllApptCloseoutNotification	

Notice: The list of messages supported in Mail.XML 8.0 are the same as in Mail.XML 6.0D. However, in Mail.XML 10.0 couple of new messages have been added which will not be supported through the previous versions XSDs.

1.8 Purpose

The purpose of this Technical Specification is to supplement the IDEAlliance Mail.XML specification and to provide Mail.XML users with specific information regarding the USPS FAST implementation.

Facility Access and Shipment Tracking (FAST) is a USPS appointment scheduling system utilized by large volume customers to provide advanced notification (logistics and mail content) of mail induction. FAST appointments are required for drop shipments as well as full-service customer-transported origin entry mailings. Mailers can provide the logistics information and content high-level summary data via on-line FAST website and can use a combination of online FAST web site functionality or pure web service or web services with reference to the Mail.dat container information within the *PostalOne!* system to provide logistics as well as detail content information including the IM container barcodes to the FAST system. Those details are available in the FAST drop shipment and origin entry User guides available at
https://fast.usps.com/fast/fastApp/resources/documentsDownload.action
This document focuses on the pure web services and web services in conjunction with reference to Mail.dat data available in the *PostalOne!* system.

Additionally, FAST leverages USPS enterprise systems to incorporate facility information, customer information, address information, and drop ship discounts processed at a corresponding USPS facility. While scheduling, FAST validates the advanced notification information provided by mailers against the “facility profile.” Key operational validation questions include:

- Is the facility open and staffed to handle drop shipments?
- Does this facility accept/process the drop shipment discounted mail that is planned for induction?
- Does the volume of mail planned for induction exceed the facility’s capacity?

Once the advance notification information is validated in FAST, this data is vital to the USPS for facility planning, dock utilization, yard management, and other operational activities.

PostalOne! FAST Web Services allow customers to leverage Mail.XML to integrate with FAST electronically. Messaging and business rules specific to FAST will be described in the following sections.

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1.9 Intended Audience

The intended audience for this specification technical programmers and technical managers. Prior knowledge of XML language, Mail.XML and Mail.dat functionalities will greatly improve the understanding of this document. The majority of the codes used in the Mail.XML base XSD coming from the Mail.dat specification. The USPS recommends Mail.XML users to read *Postal Service Mail.dat Technical Specification* to better understand Mail.XML structure and functionalities.

1.10 About This Document

The data structure tables of FAST messages in Section 3.0 references many complex types. USPS recommends the customer to study all of complex types provided in the Appendix A to fully understand the structure of the FAST messages.

In the data structure table of FAST messages in Section 3, 4, 5, and 6, under the acceptable values column, actual simple type names are used for some of the elements. Review all simple types listed in Appendix B to fully understand the acceptable values that are validated by *PostalOne!* system. Appendix B shows the simple types for 8.0B. ***Note: The simple types listed here are consistent across all other USPS Mail.XML guides such as eDoc, Data Distribution.***

In the Appendix B- each of the simple type uses codes are listed. In this version of the specification, the descriptions of those codes have been added for clarification. For more information, see the *Postal Service Mail.dat Technical Specification* document located on RIBBS® at:
http://ribbs.usps.gov/index.cfm?page=intellmailguides

In the data structure tables of this document, some field names may contain spaces for readability purposes because the names of those fields are lengthy. In Mail.XML, spaces are not allowed in the element names. For example: “SubmittingParty” is the element name but in the data table it may have been written as Submitting Party”. If you are using this document to code your software then use the latest version of Mail.XML XSD located on RIBBS® to fully understand the name of the elements, structure of every block and the structure of messages to minimize the impact of incorrect coding.

1.11 How to Read Data Structure

There are three possibilities for every element listed in the data structure table of each message. These possibilities are REQUIRED, OPTIONAL, and CONDITIONALLY REQUIRED the Required option means that mailer/preparer or sender of the message must provide data for the element. The Optional option means the sender of the message has a choice to include the data or omit it from submission. The third option of Conditionally Required means that if certain condition is met then the sender of the message must provide data for that particular element; for example - EntryPointEDPostalCode is conditionally required if EntryPointEDFacilityType is populated in the ContainerUpdateRequest message.

In addition to the above options, there are instances where the main block is marked as REQUIRED but the elements within the block are OPTIONAL or vice versa. This means that the sender of the message must include the block when sending the message but can omit all elements within the block. A good example is the ‘SubmittingParty’ block which is a REQUIRED block but all elements within this block are OPTIONAL.

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1.12 Issue Resolution

All issues identified in the USPS software that may not correspond with the business rules identified in this specification and require work-arounds are listed on critical issues list on the RIBBS Intelligent Mail site under Latest News. The current *PostalOne!* Critical Issues list is found at Intelligent Mail on the Latest News tab at:

http://ribbs.usps.gov/intelligentmail_latestnews/documents/tech_guides/PostalOneCriticalIssueExtCustomers.pdf

1.13 Environments Supported by USPS

The USPS supports a test and production environment

- **Testing Environment for Mailers (TEM)**: This environment is used for software approval processes for all mailers prior to moving into the production environment. Mailers must work with the *PostalOne!* Help Desk to start the approval process for their software, and must be approved in the TEM environment, prior to sending Mail.XML data transactions in the Production environment. The TEM environment for Mail.XML basic testing capabilities is available as of November 2009 and will be available for all future releases. For more information regarding TEM, see the *Test Environment for Mailers: Checklist and Troubleshooting Guide*

- **Production Environment**: This Production environment will be used by all of those customers who have been approved by USPS to start sending messages and transactions. These customers will be approved because of performing required tests in the TEM environment. Customers will only receive production support for message types that they have completed testing in the TEM environment and for which they have received approval.

1.14 PostalOne! WSDL Information

All web services transactions that are made with the USPS should comply with the WSDL specification, which are posted on RIBBS® and can be downloaded from the following location:
http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/xmlspec/wsdls/wsdls.htm

A web services request must include a valid and active USPS User ID and Password as defined in the UserAuthenticationInfo.xsd file that is provided as part of the WSDL files. A typical web service message construct defined is as follows:

```
<wsdl:message name="DeliveryApptContentUpdateRequest">
        <wsdl:part name="authInfo" element="auth:AuthenticationInfo"/>
        <wsdl:part name="apptContentUpdate" element="tns:apptContentUpdate"/>
</wsdl:message>
```

With the following

String-typed WSDL:

```
        <wsdl:message name="StartTheClockQueryRequest">
                <wsdl:part element="auth:AuthenticationInfo" name="authInfo"/>
                <wsdl:part element="tns:startTheClockQuery" name="startTheClockQuery"/>
        </wsdl:message>
```


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XSD-typed WSDL:

```
<wsdl:message name="FullServiceStartTheClockQueryRequest">
    <wsdl:part element="uspsmxml:FullServiceStartTheClockQueryRequest"
    name="FullServiceStartTheClockQueryRequest"/>
</wsdl:message>
```

USPS will validate and authenticate the user information before processing the request. An error message will be returned in response to the web service request for invalid user information.

Types of WSDLs

There are two types of WSDLs, the String-Type WSDL and Message-Type WSDL. The following is basic information on each of the WSDL types to help customers understand what are the advantages and disadvantages of consuming String versus Message Type WSDLs.

- **Consuming String-Type WSDLs:**

  The string-type is a more generalized method, in which a customer needs to manually register each message type and register all services in their environment to later use for invoking the remote service. This is a manual process and cannot be automated easily. This is the major disadvantage of using this method. The advantage is that one string type WSDL can be used for any version of Mail.XML but is required to be manually registered in the code. The USPS is supporting the string type until the Mail.XML 9.0X implementation. After the Mail.XML 9.0X implementation, the USPS will move strictly to the Message-Type WSDLs.

- **Consuming Message-Type WSDLs:**

  The message-type eliminates the need to manually register each service and message type. With this method, a customer can use an automated tool that can set up their environment without manually registering each service. However, this approach requires updates to WSDLs every time a new Mail.XML version is released. In other words, it is tightly coupled with the Mail.XML Specification Version. The USPS is transitioning to this type of Message WSDLs to remove manual editing and registering of messages. USPS will stop supporting string-type WSDLs after the Mail.XML 9.0 release. It is therefore recommended to start or make plans to move to the message-type WSDLs.

The customer must use either string-type or message-type URL to consume the services. These URLs are provided in Appendix C.

1.15 Exceptions

Following is the list of exceptions identified by USPS.

Mail.XML Version	Exception Description
8.0B	**First-Class CSA Pallets** The Mail.XML v8.0B specification is missing new container levels that were added to the Mail.dat 09-1 specification to support First-Class CSA Palletization (values AH, AI, AL). In two scenarios, a Scheduler makes an appointment through Mail.XML with the *PostalOne!* and FAST systems. The description and exception of each of these scenarios are: SCENARIO # 1 The Scheduler sends **'ALL'** of the detail information on content (i.e.

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Mail.XML Version	Exception Description
	container barcodes, class, shape, sort levels etc.) to FAST through the *PostalOne!* system by filling the USPSSummary block for its containers through Mail.XML. This does not require the *PostalOne!* system to add any data to customer's XML message. <u>SCENARIO # 2</u> The Scheduler sends just the **'KEY'** information on its containers to the *PostalOne!* system, when creating or updating appointments. In this case, the Scheduler is requesting the *PostalOne!* system to query the *PostalOne!* Mail.dat database and pull all the relevant information on content (i.e. container barcodes, class, shape, sort levels etc), fill the USPSSummary block on behalf of the scheduler, and send the information to the FAST system. <u>Exception</u> With option 2 above, when making appointments through Mail.XML v8.0B web services for First-Class CSA pallets, the *PostalOne!* system will populate AB, Z, and AP in the PalletPresortType block, which is part of the USPSSummary -> Pallets ->PalletUnitType block, to FAST when it finds AH, AI, and AL in the CSM sort levels respectively. This specific solution is a workaround only for First-Class Mail pallets until the IDEAlliance fixes the specification and the USPS implements that fix in a later *PostalOne!*/FAST release.
Recurring Contents	For recurring appointments, the schedulers update the Mail.dat with the recurring appointments and the *PostalOne!* system queries the *PostalOne!* Mail.dat database and pulls all the relevant information on content (i.e. container barcodes, class, shape, sort levels etc), fills the USPSSummary block, and sends to the FAST system. <u>Exception</u> When the scheduler is updating content for recurring appointments through Mail.dat 09-1 updates, the *PostalOne!* system will populate AB, Z, and AP in the Pallets block, which is part of the USPSSummary block, and send to FAST when it finds AH, AI and AL CSM sort levels respectively. This specific solution is a workaround only for First-Class Mail pallets until the IDEAlliance fixes the specification and the USPS implements that fix in a later *PostalOne!*/FAST release
All	Mailers have the option to either provide a Mail.dat Summary block (when eDoc is submitted through Mail.dat to PostalOne!) OR an USPSSummary block to provide content information to the FAST system. The USPS is requesting that Mailers provide the Mail.dat Summary block, besides the USPS Summary block, each time an appointment's content is provided through a create or update transaction to help with easy location of containers within Mail.dat. This Mail.dat Summary block is 'not' required; if it is available, we request that mailers provide this block to the PostalOne!/FAST systems at all times in conjunction with the USPS Summary block for faster processing of data.
8.0B	Customers who are MailOwners, MailPreparer, and Schedulers will receive the Appointment Closeout data. However, submitter of information, if they are not the Scheduler, does not receive such data. The mail Preparer and Owner must be identified in the USPS Summary block by CRIDs or Scheduler IDs to receive the Closeout data associated with an appointment.

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Mail.XML Version	Exception Description
All	Entity creating Stand-alone content shall provide their own SchedulerID (if using Mail.XML version v8.0B) or CRID (only supported by Mail.XML v8.0B) to the FAST system as a value for the 'MailPreparerID' field of ContentUSPSSummaryType block in DeliveryContentCreateRequest and DeliveryContentUpdateRequest Messages. By providing the SchedulerID or CRID (only supported in Mail.XML 8.0B) in the MailPreparerID, the mailer will make sure that closeout data for the content is provided to the submitter.
8.0B	An issue has been identified in the processing of appointment contents for logical mailings. If only Mail.dat summary block is provided in the Mail.XML appointment create messages then due to a specification limitation *PostalOne!* may not send the accurate data to FAST system. Logical mailers must send the USPSSummary block until the Mail.XML 9.0 specification is updated and implemented by PO/FAST.

2. PostalOne! – FAST Mail.XML Web Services

2.1 Overview

The USPS requires appointment scheduling for drop shipped mail at USPS facilities for better resource planning and service performance. The USPS FAST (Facilities Access and Shipment Tracking) system is the business process engine that provides mailers with the capabilities to schedule appointments.

FAST started supporting Mail.XML 8.0B from March 10, 2010. FAST shall start supporting Mail.XML 10.0 in June of 2011.

2.2 Access to PostalOne! - FAST Web Services

To gain initial access to FAST, a mail owner or mailing agent must request a business account and request the FAST service through the Business Customer Gateway. The gateway performs all authentication and authorization services for FAST and *PostalOne!* systems.

Briefly for those customers registering for FAST Web Services, in order to complete the registration process, the company for which the customer registers, must be assigned to a *PostalOne!* FAST hierarchy. If the company for which a customer is applying for access is not currently using FAST, the user must create a new corporation to allow the company to serve as the headquarters/corporate office in the new gateway system. If a user needs to associate the company to an existing corporation in *PostalOne!* FAST, the existing corporation using that corporation's Customer Registration ID (CRID) must be located to be assigned to a *PostalOne!* FAST hierarchy. As of March 10, 2010, the FAST application will take over the hierarchy process from *PostalOne!*.

For detailed information on gaining access to FAST, refer to section 3.6 of Facility Access & Shipment Tracking (FAST), *PostalOne!* Hierarchy of User Access to Electronic Mailing Information

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& Reports Guide posted on the Rapid Information Bulletin Board System – RIBBS - http://ribbs.usps.gov/index.cfm?page=intellmailguides."

1. Utilizing the IDEAlliance Mail.XML Specification and *Postal One!*/FAST Web Services, where the *PostalOne!* system works as the data exchange gateway for the appointment transactions and passes the appointment and container detail information, including IM Container barcode, class, shape, piece count, weight, zone skipping, mail owner information and many other content characteristics to the FAST system and all messages to and from the customer pass through the *PostalOne!* system. The *PostalOne!* system can also be leveraged in this usage scenario to pull existing content (container detail) information from a previously provided Mail.dat job sent by a customer or business partner of a customer. The customer can either send all the content details directly to FAST through the *PostalOne!*/FAST Web Services mechanism or can request the *PostalOne!* system to query and provide all or part of the content details to FAST through the *PostalOne!* FAST Web Services mechanism.

The Full-Service program requires customers to use the IDEAlliance Mail.XML messages and *PostalOne!*/FAST Web Services to create and/or update appointments within the FAST system for one-time appointments. One-time appointments created through the online FAST application **must be updated electronically** through Mail.XML with the Intelligent Mail Container Barcode (IMcb) to receive full-service discounts.

2.3 PostalOne! - FAST Mail.XML Web Services Supported Messages

PostalOne! - FAST Mail.XML Web Services will continue to support Mail.XML 6.0D and Mail.XML 8.0B in January 2011 release. By June 2011 – a new version of Mail.XML 10.0 is added to the support list which will be in addition to previous versions of Mail.XML for FAST.

The next section lists the workflow for most common messages that will be supported in all versions of Mail.XML i.e. 6.0D, 8.0B, and 10.0..

2.4 FAST Workflows for Mail.XML

This section lists most common messages associated with the FAST workflow. This is not a complete list, but provides basic information regarding FAST messages

Create one time appointment (single Entity Scheduling) – For Origin and Destination Entry

Transporter /Mail Owner /Mail preparer
To determine Slot Availability

Submit – DeliveryApptQueryRequest
→Receive – DeliveryApptQueryResponse

Transporter /Mail Owner /Mail preparer
To create appointment based on Slot Availability

Submit -- DeliveryApptCreateRequest
→Receive -- DeliveryApptCreateResponse

Input - Appointment ID in eDoc and PS Form 8125/8017 (If using Mail.XML, customer does not need to update the eDocumentation, i.e., Mail.dat container summary data. Not eDocumentation updates are only supported for recurring appointments and are not supported for one-time appointments)

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Manage one time Appointment (single Entity Scheduling) – For Origin and Destination Entry

Transporter /Mail Owner /Mail preparer
Submit – DeliveryApptUpdateRequest
→Receive – DeliveryApptUpdateResponse

Cancel One time Appointment ((single Entity Scheduling) – For Origin and Destination Entry

Transporter /Mail Owner /Mail preparer
Submit – DeliveryApptCancelRequest
→Receive – DeliveryApptUpdateResponse with ConfirmationID

Updating a Recurring Appointment Instance ((single Entity Scheduling) – For Origin and Destination Entry

Transporter /Mail Owner /Mail preparer
Submit – DeliveryApptUpdateRequest with ConsigneeID=12345RMMDD (MMDD is the Month and Date of the Appointment)
→Receive – DeliveryApptUpdateResponse

Input – Appointment ID in eDoc and PS Form8125/8017 (If using Mail.XML, customer does not need to update this)

NOTE: 12345 is the recurring appointment sequence

Retrieving CSA Data

Scenario#1 Request CSA by CSAID
Submit – CSAQueryRequest
→Receive – CSAQueryResponse Based on CSAID

Scenario#2 Request CSA by CRID
Submit – CSAQueryRequest
→Receive – CSAQueryResponse with All CSAs associated to CRID

Partner Appointment Query

Scenario#1 - Scheduler delegates a third party to query data for one time appointment
Submit – PartnerApptQueryRequest
with Submitting Party data= Third Party and HeaderInfo=Scheduler Info

→Receive – PartnerApptQueryResponse with all information of appointment

Scenario#2 – Mail Owner delegates a third party to query data for one time appointment

a. **Mail Owner**
Submit – PartnerApptQueryRequest
with Submitting Party data= Third Party and HeaderInfo=Mail Owner Info

→Receive – PartnerApptQueryResponse with information pertaining to Mail Owner only

Scenario#3 - Mail Preparer delegates a third party to query data for one time appointment

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b. Mail Preparer

Submit – PartnerApptQueryRequest
with Submitting Party data= Third Party and HeaderInfo=Mail Preparer Info

→Receive – PartnerApptQueryResponse with information pertaining to Mail Preparer only

Scheduler wants to update only logistics information (no change in content and single entity scheduling)

c. Scheduler:

Submit – DeliveryApptShellUpdateRequest
→Receive – DeliveryApptShellUpdateResponse

Receiving Closeout Information

USPS Closesout Appointment

FAST generates ConsigneeGoodsReceipt for Scheduled Appointments and sends it to *PostalOne!*
FAST generates UnscheduledConsigneeGoodsReceipt for Unscheduled Appointments and sends it to *PostalOne!*

Submit – AllApptCloseoutRequest
→Receive – All ConsigneeGoodsReceipt and UnscheduledConsigneeGoodsReceipt for all appointments via AllApptCloseoutResponse

One Time Appointment and Joint Scheduling

Scenario #1: Create Process

a. Transporter -

manages only logistics
Submit – Transporter submits DeliveryApptShellCreateRequest
→Receive – Transporter receives DeliveryApptShellCreateResponse with Appointment ID

Transporter provides Appointment ID /Consignee ID to Mail Owner1/Mail Owner2 and Mail Preparer2

b. Mail Owner1 -

Submit -- DeliveryContentCreateRequest with Appointment ID
→Receive –DeliveryContentCreateResponse

c. Mail Owner2

Submit – DeliveryContentCreateRequest with Appointment ID
→ Receive –DeliveryContentCreateResponse

d. Mail Preparer1

Submit –DeliveryContentCreateRequest with ConsigneeAppointment ID
→Receive –DeliveryContentCreateResponse

e. Transporter

Transporter wants to understand contents associated to appointment

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Submit –DeliveryContentQueryRequest
→Receive –DeliveryContentQueryResponse with all details of appointments

NOTE: FAST sends notification via emails to Transporter with each update to appointment

Scenario#2: Update Process

a. **Mail Owner1**
Submit –DeliveryContentUpdateRequest
→Receive –DeliveryContentUpdateResponse

NOTE: FAST sends notification via emails to Transporter of updated content information.

Scenario#3: Cancel Process

a. **Mail Preparer1 - wants to cancel**
Submit –DeliveryContentCancelRequest
→Receive –DeliveryContentCancelResponse

NOTE: FAST sends notification via emails to Transporter of cancellation.

Standalone content and joint scheduling

Scenario #1: Transporter uses FAST online to link Content to a new or existing appointment.

a. **Mail Owner1**
Submit – DeliveryContentCreateRequest specifying Transporter and Induction Date
→Receive -- DeliveryContentCreateResponse

NOTE: FAST sends notification via email to Transporter

Scenario #2: Transporter uses Mail.XML to link Content.

<u>Mail Onwer/Mail Preparer creates content while identifying the transporter</u>
Submit –DeliveryContentCreateRequest specifying Transporter and Induction facility
→Receive DeliveryContentCreateResponse

<u>Mail Owner/Mail Preparer provides FAST ContentID to Transporter – Transporter links content to the appointment</u>

Submit –DeliveryApptCreateRequest with FAST ContentID
→Receive DeliveryApptCreateResponse

NOTE: FAST sends email notification to Mail Owner/Mail Preparer of Content Association to Appointment

Submit -- Mail Owner/Mail Preparer submits DeliveryContentQueryRequest to obtain Appointment ID

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Recurring Appointments and Joint Scheduling (Pure Periodicals)

Scenario #1: Pure Periodicals Drop Shipments

a. **Transporter**
Submit –DeliveryApptShellCreateRequest
→Receive –DeliveryApptShellCreateResponse

Transporter notifies Mail Owner1 the Recurring Appointment Sequence ID

b. **Mail Owner1**
Submit –DeliveryContentCreateRequest with Recurring Appointment Sequence ID
→Receive –DeliveryContentCreateResponse

NOTE: FAST auto approves Recurring Appointments.

c. **Mail Owner2**
Submit –DeliveryContentCreateRequest with Recurring Appointment Sequence ID
→Receive –receives DeliveryContentCreateResponse

d. **Transporter**
Submit –RecurringApptQueryRequest using the Recurring Appt Sequence ID
→Receive – Transporter receives RecurringApptQueryResponse with all details of the recurring appointments

- FAST creates instances 14 days in advance of effective start date
- Transporter uses DeliveryApptUpdateRequest to update instances and receives DeliveryApptUpdateResponse (See Scenario #4 Updating a Recurring Appointment Instance)
- Transporter uses DeliveryContentCreateRequest to add additional content to the existing Recurring Appointment Sequence (Mail.XML 8.0B only)

Scenario #2: Recurring Appointments and Joint Scheduling (Standard/Packaged Services/ Mixed Mail Class)

a. **Transporter**
Submit –DeliveryApptShellCreateRequest
→Receive –DeliveryApptShellCreateResponse

Transporter notifies Mail Owner1 Recurring Appt Sequence ID

USPS /FAST

- Notification is sent to facility for review and approval.
- USPS Facility approves Recurring Appointments.
- Notification is sent to Transporter/ Mail Owner/ Mail Preparer of approval.

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b. Transporter

- Transporter uses DeliveryAppUpdateRequest to update instances and receives DeliveryApptUpdateResponse (See Scenario #4 Updating a Recurring Appointment Instance.

Scenario #3 : Additional Mail Preparer added to an active recurring appointment)

a. Mail Preparer1

Submits --DeliveryContentCreateRequest with Recurring Appointment Sequence ID

→Receives – DeliveryContentCreateResponse

USPS/FAST

- Notification is sent to facility for review and approval.
- USPS Facility approves Recurring Appointments.
- Notification is sent to Transporter/ Mail Owner/ Mail Preparer of approval.

b. Transporter

- Transporter uses DeliveryApptUpdateRequest to update instances and receives DeliveryApptUpdateResponse (See Scenario #4 Updating a Recurring Appointment Instance.
- FAST creates instances 14 days in advance of effective start date

MessageRetrieval Request/Response

a. Transporter /Mail Owner /Mail Preparer

Submit – Any FAST messages (Refer to the table in Section1)

b. PostalOne!

PostalOne! Generates TrackingID

c. Transporter /Mail Owner /Mail Preparer

Submit --MessageRetrievalRequest for TrackingID
→Receive – MessageRetrievalResponse for the corresponding message

Mail.dat Transportation Updates for Recurring Appointments

For recurring appointments, customers have an option to provide their contents for Full-Service compliance to FAST system through PostalOne! Mail.dat Transportation updates. Mail.dat Transportation updates are only available for eDoc filed through Mail.dat and for the recurring appointments that were created through Mail.XML.

Customers must provide all of the following fields in Mail.dat CSM file:

1. SequenceID. This is a 6-byte field and is composed of five numeric values followed by hard letter ‘R’, which signify recurring appointments e.g. 23567R

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.

2. ‘Reservation Number' field. This is the FAST appointment ID (Consignee Appointment ID) which customer receives when they schedule appointment through FAST online or through Mail.XML using DeliveryApptCreateRequest or DeliveryApptShellCreateRequest.

3. ‘Scheduled Induction Date' field. This is the planned appointment date that was scheduled by the customer through FAST online or Mail.XML at the time of appointment creation.

4. 'FAST Content ID' field. This is associated with the recurring appointment in the FAST system. The FAST Content ID is a nine digit numeric field, which can be obtained either through the FAST online system or via Mail.XML through the RecurringApptQueryRequest. Similar to the FAST Recurring Sequence, the FAST Content ID is static.

The appointment information needs to match the actual delivery of mail. Once received by *PostalOne!* system, this IMcb and presort data is sent to the FAST system. If FAST rejects the transaction, the error is not reported back to *PostalOne!* system or to the customer. The customer must log on to FAST online system to verify if the contents have been successfully associated with the recurring appointment.

Data Structure: AllDeliveryApptCloseoutRequest

Field	Format	Acceptable Values	Business Rules	Comments
AllDeliveryApptCloseoutRequest				
StatusRequestByTimeMsgHeaderInfoBegins			Attributes block	
SchedulerID	String, 12 characters		Required	
SchedulerCorpID	String, 12 characters		Required	
CreatorSchedulerCorpID	String, 12 characters		Required	
CreatorSchedulerID	String, 12 characters		Optional	
Start	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	
End	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	
StatusRequestByTimeMsgHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer ‘participantID Type’ complex type in Appendix B

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Field	Format	Acceptable Values	Business Rules	Comments
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B

3. Mail.XML 8.0B - FAST Messages and Data Structures

****** IMPORTANT NOTE ******
FAST Messages in Mail.XML 8.0B version will be supported in March 2010 Release.

In Mail.XML 8.0B – no FAST messages have been added or removed. Therefore, all messages supported in Mail.XML 6.0D will continue to be supported by Mail.XML 8.0B. The Origin Entry joint scheduling capabilities provided by Delivery Appointment Shell Messages and Delivery Content Messages will be available in Mail.XML 6.0D and Mail.XML 8.0B. There are some changes to the attributes. Refer to the following list for changes:

A global change to make SchedulerID optional, SchedulerCorpID optional and addition of SchedulerCRID as an optional attributes and add CreatorSchedulerCRID and/or SchedulerCRID to StatusRequestMessageHeaderInfo to the following message header Info blocks:.

1. RequestMsgHeaderInfo
2. ResponseMsgHeaderInfo
3. ResponseApptUpdateMsgHeaderInfo
4. CancelCreateMsgHeaderInfo
5. DeliveryContentHeaderInfo
6. DeliveryContentUpdateHeaderInfo
7. DeliveryContentHeaderInfoCancel
8. DeliveryContentQueryMsgHeaderInfo
9. PartnerApptRequestHeaderInfo
10. RecurringApptQueryRequestHeaderInfo
11. RecurringApptQueryResponseHeaderInfo (CreatorSchedulerID optional, CreatorSchedulerCorpID optional and add CreatorSchedulerCRID as an optional attribute)
12. UnscheduledResponseMsgHeaderInfo to include CRID as an optional attribute.
13. contentDetailInfoType and contentDetailInfoUpdateType to include LogisticsSchedulerCRID as an optional attribute.

The following FAST Messages have been updated with the above change:

1. DeliveryApptCreateRequest
2. DeliveryApptCreateResponse
3. DeliveryApptUpdateRequest
4. DeliveryApptUpdateResponse

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5. DeliveryApptCancelRequest
6. DeliveryApptCancelResponse
7. DeliveryApptQueryRequest
8. DeliveryApptQueryResponse
9. DeliveryApptCancelCreateRequest
10. DeliveryApptCancelCreateResponse
11. DeliveryContentCreateRequest
12. DeliveryContentCreateResponse
13. DeliveryContentUpdateRequest
14. DeliveryContentUpdateResponse
15. DeliveryContentCancelRequest
16. DeliveryContentCancelResponse
17. DeliveryApptShellCreateRequest
18. DeliveryApptShellCreateResponse
19. DeliveryApptShellUpdateRequest
20. DeliveryApptShellUpdateResponse
21. DeliveryApptShellCancelRequest
22. DeliveryApptShellCancelResponse
23. ConsigneeGoodsReceipt
24. PartnerApptQueryRequest
25. PartnerApptQueryResponse
26. RecurringApptQueryRequest
27. RecurringApptQueryResponse
28. DeliveryContentQueryRequest
29. DeliveryContentQueryResponse
30. UnscheduledConsigneeGoodsReceipt
31. AllApptCloseoutRequest
32. AllApptCloseoutResponse

Actual changes made to the attributes are as following:

1. Changes to RequestMsgHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute

2. Changes to ResponseMsgHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute

3. Changes to ResponseApptUpdateMsgHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute

4. Changes to CancelCreateMsgHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute

5. Changes to DeliveryContentHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute

6. Changes to DeliveryContentUpdateHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute

7. Changes to DeliveryContentHeaderInfoCancel to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute

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8. Changes to PartnerApptRequestHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute
9. Changes to RecurringApptQueryRequestHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add CreatorSchedulerCRID as an optional attribute
10. Changes to RecurringApptQueryResponseHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add CreatorSchedulerCRID as an optional attribute
11. Changes to DeliveryContentQueryMsgHeaderInfo to make SchedulerID optional and SchedulerCorpID optional and add SchedulerCRID as an optional attribute
12. Changes to UnscheduledResponseMsgHeaderInfo to add SchedulerCRID as an optional attribute
13. Changes to contentDetailInfoType to add LogisticsSchedulerCRID as an optional attribute
14. Changes to contentDetailInfoUpdateType to add LogisticsSchedulerCRID as an optional attribute
15. Changes the StatusRequestMsgHeaderInfo block to have CreatorSchedulerCorpID as an optional attribute and add CreatorSchedulerCRID as an optional attribute

The following additional major enhancements will be incorporated in FAST with IDEAlliance Mail.XML 8.0B:

a. The ability to have origin entry mail on a drop ship appointment. This includes mail that is not marked as destination discount or zone skipping (Periodicals only). This does not apply to First-Class mail.

b. Delivery Content messages can be used by the scheduler of the appointment in addition to joint scheduling partners to update specific content information.

c. Provide appointment closeout data (ConsigneeGoodsReceipts and UnscheduledGoodsReceipt) to Mail Owners and Mail Preparers in addition to the scheduler of the appointment. This assumes the Mail Owners and Mail Preparers are designated in the scheduled appointment information in the USPS Summary block.

d. Support unique container validation (45 days) for contents that are marked with a Full-Service Indicator

e. The ability to query for drop ship and origin entry recurring appointment sequences by approval status.

3.1 Appointment Closeout Messages

This series of messages is pushed from the Consignee to the Shipper -of an appointment that has been closed out. Closeout Messages will provide the following:

- Ability to send closeout information for origin entry DMU/BMEU verified customer transported appointments
- Ability to send closeout information for drop ship appointments

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- Ability to communicate closeout irregularities
- Ability to communicate arrival date/time, unload start date/time, unload end date/time, and actual pallet counts
- Ability to indicate if IMCB Pallet Placard scan occurred

For the Mail.XML 8.0B the following enhancements will be incorporated into Appointment Closeout messaging and supported by FAST:

- Ability to send closeout information for Mail Preparers and Mail Owners associated to the drop ship and origin entry appointments.
- Ability to identify business entities by CRID

Appointment Closeout Messages

AllDeliveryApptCloseoutRequest
AllApptCloseoutResponse
ConsigneeGoodsReceipt
ConsigneeGoodsReceiptDelivery
UnscheduledConsigneeGoodsReceipt

3.1.1 AllDeliveryApptCloseoutRequest

This message provides the ability to request in FAST:

- All closeout information based on scheduler, mail owner, and mail preparer as identified on the appointment or unscheduled arrival information
- The Start and End date parameters will extract appointment data by appointment date/time for scheduled appointments and arrival date/time for unscheduled arrivals, if provided

Data Structure: AllDeliveryApptCloseoutRequest

Mail.XML 8.0B - AllDeliveryApptCloseoutRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
AllDeliveryApptCloseoutRequest				
StatusRequestByTimeMsgHeaderInfoBegins			Attributes block	
SchedulerID	String, 12 characters		Optional	
SchedulerCRID	CRIDType		Optional	
SchedulerCorpID	String, 12 characters		Optional	
CreatorSchedulerCorpID	String, 12 characters		Optional	
CreatorSchedulerID	String, 12 characters		Optional	
CreatorSchedulerCRID	CRIDType		Optional	
Start	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	

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Mail.XML 8.0B - AllDeliveryApptCloseoutRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
End	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	
StatusRequestByTimeMsgHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B

3.1.2 AllApptCloseoutResponse

This message provides the ability to request in FAST:

- All closeout information based on the requested CreatorSchedulerID or CreatorSchedulerCRID.

Data Structure: AllApptCloseoutResponse
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - AllApptCloseoutResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
AllApptCloseoutResponse				
AllDeliveryApptCloseoutAccept				
StatusRequestMsgHeaderInfo Begins			Attributes block	
CloseoutResponseID	String, 12 characters		Optional	
CreatorSchedulerCorpID	String, 12 characters		Optional	
CreatorSchedulerID	String, 12 characters		Optional	
CreatorSchedulerCRID	String, 15		Optional	
StatusRequestMsgHeaderInfo ends				

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Mail.XML 8.0B - AllApptCloseoutResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeGoodsReceipt	mailxml:ConsigneeGoodsReceiptType		Optional	Refer 'ConsigneeGoodsReceiptType' complex type in Appendix B
RequestMsgHeaderInfo			Attributes block	
RequestMsgHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Required	
SchedulerCorpID	String, 12 characters		Required	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
RequestMsgHeaderInfo ends				
ApptBlockGoodReceipt	mailxml: ApptBlockGoodReceiptType		Required	Refer 'ApptBlockGoodReceiptType' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Optional	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Optional	Refer 'TrailerInfo' complex type in Appendix B

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Mail.XML 8.0B - AllApptCloseoutResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
UnscheduledConsigneeGoodsReceipt Begins			Optional	
ApptBlockUnscheduledGoods	mailxml: ApptBlockUnscheduled Goods Type		Required	Refer 'ApptBlockUnscheduledGoods' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Optional	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Optional	Refer 'TrailerInfo' complex type in Appendix B
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
AllDeliveryApptCloseoutRejectBegins			Required	
StatusRequestMsgHeaderInfoBegins			Attribute Block	
CloseoutResponseID	String, 12 characters		Optional	
CreatorSchedulerCorpID	String, 12 characters		Optional	
CreatorSchedulerID	String, 12 characters		Optional	
CreatorSchedulerCRID	String, 15		Optional	
StatusRequestMsgHeaderInfoends				
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
AllDeliveryApptCloseoutRejectends				

3.1.3 ConsigneeGoodsReceipt

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This message provides the ability to:
The visibility data for scheduled appointments from FAST

Data Structure: ConsigneeGoodsReceipt
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - ConsigneeGoodsReceipt				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeGoodsReceipt				
ResponseMsgHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
RequestMsgHeaderInfo ends				
ApptBlockGoodsReceipt	mailxml:apptBlockGoodsType		Required	Refer 'ApptBlockGoodsReceipt' complex type in Appendix B
DetailInfo	mailxml: DetailInfoType		Optional	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfoType		Optional	Refer 'TrailerInfo' complex type in Appendix B
ReturnInfo	mailxml:returnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B

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3.1.4 ConsigneeGoodsReceiptDelivery

The user must be subscribe to automatically receive the ConsigeeGoodsReceipt data pushed from USPS servers to customers server.

Mail.XML 8.0B - ConsigneeGoodsReceiptDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeGoodsReceiptDelivery BEGINS				
SubmittingParty	participantIDType complex type	-	Required	Refer to this complex type in Appendix A
SubmittingSoftware	submittingSoftwareType complex type	-	Required	Refer to this complex type in Appendix A
DataRecipient Block BEGINS			Optional Block. If provided then user must provide both CRID and Role elements data.	
CRID	CRIDType simple type	-	Required when block data is provided.	Refer to this simple type in Appendix B
Role	roleType simple type	-	Required when block data is provided.	Refer to this simple type in Appendix B
DataRecipient Block ENDS				
Choice Block BEGINS			Required	

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Mail.XML 8.0B - ConsigneeGoodsReceiptDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Sequence Block # 1 BEGINS			Either UserLicense Code and MaildatJobID is required OR customergroupID and MailingGroup ID is required	
UserLicenseCode	userLicense CodeType complex type	-	Required	Refer to this complex type in Appendix A
MaildatJobID	jobIDType complex type	-	Required	Refer to this complex type in Appendix A
Sequence Block # 1 ENDS				
Sequence Block # 2 BEGINS				
CustomerGroupID	String 25	-	Required	-
MailingGroupID	nonNegative Integer	-	Required	-
Sequence Block # 2 ENDS				
PushMessageID	String 25	-	Optional	-
Sequence Block # 3 BEGINS				
ApptBlockGoodsReceipt	apptBlockGoodsType complex type	-	Required	Refer to this complex type in Appendix A
DetailInfo	DetailInfo Type complex type		Optional 0 to many allowed	Refer to this complex type in Appendix A
TrailerInfo	TrailerInfo Type complex type		Optional	Refer to this complex type in Appendix A
ReturnInfo	returnInfoType complex type		Optional	Refer to this complex type in Appendix A
Sequence Block # 3 ENDS				

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Mail.XML 8.0B - ConsigneeGoodsReceiptDelivery				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeGoodsReceiptDelivery ENDS				

3.1.5 UnscheduledConsigneeGoodsReceipt

This message provides the ability to request in FAST:
The visibility data for unscheduled one time appointments for Drop Shipments only

Data Structure: UnscheduledConsigneeGoodsReceipt
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - UnscheduledConsigneeGoodsReceipt				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
UnscheduledConsigneeGoodsReceipt				
UnscheduledResponseMsgHeaderInfo Begins			Attributes block	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ApptType	String		Optional	
UnscheduledResponseMsgHeaderInfo ends				
ApptBlockUnscheduledGoods	mailxml: ApptBlockUnscheduled Goods Type		Required	Refer 'ApptBlockUnscheduledGoods' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Optional	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Optional	Refer 'TrailerInfo' complex type in Appendix B

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Mail.XML 8.0B - UnscheduledConsigneeGoodsReceipt				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B

3.2 Appointment Shell Messages

This family of Mail.XML transportation related messages enables mailers to create appointment shells (appointments with no associated content). Mail owners and mail preparers can use the Delivery Content Messages to create and associate content to appointment shells. This family of messages allows for joint scheduling between schedulers, mail owners, and mail preparers. Appointment Shell messages will provide the:

- Ability to create, update, and cancel recurring appointment shells
- Ability to create, update, and cancel one-time appointments shells
- Ability to update the logistics information of an appointment by utilizing the appointment shell update message
- Ability to leverage the Appointment Shell Update message to update logistics information (one-time and recurring) of an appointment when no content updates are necessary

For the Mail.XML 8.0B Integration release, the following enhancements will be incorporated into Delivery Appointment Shell messaging and supported by FAST:

- Ability to identify business entities by CRID

Appointment Shell Messages
DeliveryApptShellCreateRequest / DeliveryApptShellCreateResponse
DeliveryApptShellUpdateRequest / DeliveryApptShellUpdateResponse
DeliveryApptShellCancelRequest / DeliveryApptShellCancelResponse

3.2.1 DeliveryApptShellCreateRequest

This message provides the ability to create in FAST:

- Recurring appointment shells
- One-time appointment shells

Data Structure: DeliveryApptShellCreateRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptShellCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**

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Mail.XML 8.0B - DeliveryApptShellCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptShellCreateRequest				
RequestMessageHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
RequestMessageHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'submittingSoftwareType' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacility Type		Required	Refer 'ConsigneeFacility' complex type in Appendix B
MailClass	mailxml: MailClassType	Refer 'mailClassType' simple type	Required	Refer 'Appendix E'

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Mail.XML 8.0B - DeliveryApptShellCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
RecurringAppt	mailxml:RecuringApptType		Required	Refer 'RecurringApt' complex type in Appendix B
OneTimeAppt	mailxml: OneTimeApptType		Required	Refer 'OneTimeApt' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Optional	Refer 'TrailerInfo' complex type in Appendix B
Comment	String, 256 characters		Optional	

3.2.2 DeliveryApptShellUpdateRequest

This message provides the ability to update in FAST:

- Recurring appointment shells
- One-time appointment shells
- The logistics information of an appointment by utilizing the appointment shell update message

Data Structure: DeliveryApptShellUpdateRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptShellUpdateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptShellUpdateRequest				
RequestMessageHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	

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Mail.XML 8.0B - DeliveryApptShellUpdateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
RequestMessageHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacility Type		Required	Refer 'ConsigneeFacility' complex type in Appendix B
MailClass	mailxml: MailClassType	Refer 'mailClassType' simple type	Required	Refer 'Appendix E'
RecurringAppt	mailxml:RecuringApptType		Required	Refer 'RecurringApt' complex type in Appendix B
OneTimeAppt	mailxml: OneTimeApptType		Required	Refer 'OneTimeApt' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Optional	Refer 'TrailerInfo' complex type in Appendix B
Comment	String, 256 characters		Optional	

3.2.3 DeliveryApptShellCancelRequest

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This message provides the ability to cancel in FAST:

- Recurring appointment shells
- One-time appointment shells

Data Structure: DeliveryApptShellCancelRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptShellCancelRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptShellCancelRequest				
DeliveryApptShellCancelRequest Type Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
DeliveryApptShellCancelRequest ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B

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Mail.XML 8.0B - DeliveryApptShellCancelRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	mailxml: ReturnInfo Type		Optional	Refer 'ReturnInfo' complex type in Appendix B

3.2.4 DeliveryApptShellCreateResponse

This message provides the ability to create in FAST:

- The ConsigneeID for one time and recurring appointment shells

Data Structure: DeliveryApptShellCreateResponse

Mail.XML 8.0B - DeliveryApptShellCreateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptShellCreateResponse				
DeliveryApptShellAccept	mailxml: DeliveryApptShellAcceptType		Required	Refer 'DeliveryApptShellAcceptType' complex type in Appendix B
DeliveryApptShellReject	mailxml: DeliveryApptShellRejectType		Required	Refer 'DeliveryApptShellRejectType' complex type in Appendix B

3.2.5 DeliveryApptShellUpdateResponse

This message provides the ability to update in FAST:

- The appointment shell for one time and recurring appointments
- Additionally the response will confirm the updates to the logistics information of a one-time appointment

Data Structure: DeliveryApptShellUpdateResponse

Mail.XML 8.0B - DeliveryApptShellUpdateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptShellUpdateResponse				

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Mail.XML 8.0B - DeliveryApptShellUpdateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptShellAccept	mailxml: DeliveryApptShellAcceptType		Required	Refer 'DeliveryApptShellAcceptType' complex type in Appendix B
DeliveryApptShellReject	mailxml: DeliveryApptShellRejectType		Required	Refer 'DeliveryApptShellRejectType' complex type in Appendix B

3.2.6 DeliveryApptShellCancelResponse

This message provides the ability to cancel in FAST:

- Confirmation of canceling shell appointments for one time and recurring appointments

Data Structure: DeliveryApptShellCancelResponse

Mail.XML 8.0B - DeliveryApptShellCancelResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptShellCancelResponse				
DeliveryApptShellCancelResponse Type Begins				
DeliveryApptShellCancelAccept	mailxml: DeliveryApptShellCancelAccept Type		Required	Refer 'DeliveryApptShellCancelAccept' complex type in Appendix
DeliveryApptShellCancelReject	mailxml: DeliveryApptShellCancelReject Type		Required	Refer 'DeliveryApptShellCancelRejectType' complex type in Appendix
DeliveryApptShellCancelResponse Type ends				

3.3 Customer Supplier Agreement Messages

This will allow mailers using Mail.XML to query customer supplier agreements via Web Services when a CRID or CSA ID is provided. For valid requests, FAST will provide the appropriate CSA data, else an error would be generated. This request could result in one or more CSA responses. These messages include:

- Customer Supplier Agreement Query Request

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- Customer Supplier Agreement Query Response

For the Mail.XML 8.0B Integration release, the following enhancements will be incorporated into Delivery Appointment Shell messaging and supported by FAST:

- Ability to identify Package Services Sub Type (e.g. Bound Printed Matter)
- Ability to identify business entities by CRID
- Ability to support Facility/Mail Class based CAT submissions without a Recurring Appointment Sequence ID for the Mail Class Facility Combination

CSA Messages

CustomerSupplierAgreementQueryRequest
CustomerSupplierAgreementQueryResponse

3.3.1 CustomerSupplierAgreementQueryRequest

This message provides the ability to query in FAST :

- Customer / Supplier Agreements via Web Services when a CRID or CSA ID is provided
- For valid requests, FAST will provide the appropriate CSA data, else an error would be generated. This request could result in one or more CSA responses

Data Structure: CustomerSupplierAgreementQueryRequest

Mail.XML 8.0B - CustomerSupplierAgreementQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
CustomerSupplierAgreementQueryRequest				
CustomerSupplierAgreementQueryMsgHeaderInfo Begins			Attributes block	
OwnerCRID	String, 10 characters		Optional	
CSAID	String, 10 characters		Optional	
CustomerSupplierAgreementQueryMsgHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B

3.3.2 CustomerSupplierAgreementQueryResponse

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This message provides the ability to query in FAST :

- Which will contain all CSA information associated either to CSA ID or all CSAs associated with the CRID

Data Structure: CustomerSupplierAgreementQueryResponse

Mail.XML 8.0B - CustomerSupplierAgreementQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
CustomerSupplierAgreementQueryResponse				
CustomerSupplierAgreementQueryMsgHeaderInfo			Attributes block	
CustomerSupplierAgreementQueryMsgHeaderInfoBegins			Attributes block	
OwnerCRID	String, 10 characters		Optional	
CSAID	String, 10 characters		Optional	
CustomerSupplierAgreementQueryMsgHeaderInfo ends				
QueryResults begins			Required	
CSAInfo	mailxml: CSAInfoType		Optional	Refer 'CSAInfoType' complex type in Appendix B
QueryResults ends				
QueryError	mailxml: QueryErrorType		Required	Refer 'QueryErrorType' complex type in Appendix B

NOTE: Errata # 128 adds the 'PackageServicesSubClass' element in the 'CSADispatchType' complex block and removes the 'RateType' element from the header. (This change may impact customers if FAST implements this change in March 2010, which may be after November 2009)

3.4 Delivery Appointment Messages

This family of Mail.XML transportation-related messages supports scenarios where a Shipper requests a Delivery Appointment from the Consignee. The Consignee may respond in a number of ways, all of which are supported by messages from this message family. Delivery appointment messages will:

- Provide the ability to create, update, and cancel customer transported origin entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services)
- Provide the ability to create, update, and cancel customer transported origin entry recurring appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services)
- Provide the ability to create, update, and cancel drop ship appointments
- Provide the ability to create, update, and cancel drop ship recurring appointments
- Provide the ability to query the availability of slots (based on hours of operation) for origin entry customer transported appointments

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- Provide the ability to query for a list of available slots for drop ship appointments (based on appointment type, date range, and corporate rating of customer) for a facility
- Provide the ability to distinguish eVS parcels and submit the associated eFile Number for which they were manifested
- Provide the ability to support for new container types and handling units
- Provide the ability to support more than one sibling barcode
- Provide the ability to associate stand-alone contents to a one-time appointment
- Provide the ability to supply the Intelligent Mail Container Barcodes(IMCB) associated to the appointment
- Provide the ability to cancel one or more appointments and create a new appointment using the delivery appointment cancel create message
- Provide the ability to transfer container barcodes from one or more open or No Show appointments to a newly created appointment using the delivery appointment cancel create message
- Ability to create appointments at 10 minute intervals for customer transported origin entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services). This applies to one-time and recurring appointments. This will be available in FAST as of November 15, 2009

For the Mail.XML 8.0B Integration release, the following enhancements will be incorporated into Delivery Appointment messaging and supported by FAST:

- Ability to identify business entities by CRID
- The support for Unique Container Barcode Validation for Full-Service content
- Ability to return the Consignee Content ID in the response message
- Ability to flag contents as being Full-Service contents
- Ability to create/update/query Origin Entry contents on drop ship appointments

Delivery Appointment Messages

DeliveryApptCreateRequest / DeliveryApptCreateResponse
DeliveryApptUpdateRequest / DeliveryApptUpdateResponse
DeliveryApptCancelRequest / DeliveryApptCancelResponse
DeliveryApptQueryRequest / DeliveryApptQueryResponse
DeliveryApptCancelCreateRequest / DeliveryApptCancelCreateResponse

3.4.1 DeliveryApptCreateRequest

This message is intended to be used when one business entity is going to schedule the appointment.

This message provides the ability to create in FAST:

- Drop ship appointments for all Mail Classes
- Customer Transported origin entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services).
- Appointments for all mail classes - both Origin Entry and Destination Entry
- One time and recurring appointments

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Data Structure: DeliveryApptCreateRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptCreateRequest				
RequestMessageHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters			
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters			
ConsigneeMultiStopID	String, 12 characters			
ShipperStopNumber	Non-negative Integer			
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer			
RequestMessageHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantIDType' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'participantIDType' complex type in Appendix B
RecurringAppt	mailxml:RecuringApptType		Required	Refer 'RecurringAppt' complex type in Appendix B
OneTimeAppt	mailxml: OneTimeApptType		Required	Refer 'OneTimeAppt' complex type in Appendix B

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Mail.XML 8.0B - DeliveryApptCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DetailInfo	mailxml: DetailInfo Type		Required	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Required	Refer 'TrailerInfo' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacility Type		Required	Refer 'ConsigneeFacility' complex type in Appendix B
Comment	String, 256 characters		Optional	

3.4.2 DeliveryApptUpdateRequest

This message provides the ability to update in FAST:

- Drop ship appointments for all mail classes
- Customer Transported Origin Entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services).
- One time and recurring appointments

Data Structure: DeliveryApptUpdateRequest
*New fields for Mail.XML 8.0B marked in yellow.

Mail.XML 8.0B - DeliveryApptUpdateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptUpdateRequest				
ResponseApptUpdateMsgHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters			
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer			

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Mail.XML 8.0B - DeliveryApptUpdateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ResponseApptUpdateMsgHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantIDType' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B
RecurringAppt	mailxml:RecuringApptType		Required	Refer 'RecurringAppt' complex type in Appendix B
OneTimeAppt	mailxml: OneTimeApptType		Required	Refer 'OneTimeAppt' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Required	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Required	Refer 'TrailerInfo' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Required	Refer 'ConsigneeFacility' complex type in Appendix B
Comment	String, 256 characters		Optional	
ETA	datetime	YYYY-MM-DDTHH:MM:SS	Optional	
ReturnInfo	mailxml: ReturnInfo Type		Optional	Refer 'ReturnInfo' complex type in Appendix B

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3.4.3 DeliveryApptCancelRequest

This message provides the ability to cancel in FAST:

- Drop ship appointments for all mail classes
- Customer Transported Origin Entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services).
- One time and recurring appointments

Data Structure: DeliveryApptCancelRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptCancelRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptCancelRequest				
RequestMessageHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters			
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters			
ConsigneeMultiStopID	String, 12 characters			
ShipperStopNumber	Non-negative Integer			
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer			
RequestMessageHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantIDType' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B

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Mail.XML 8.0B - DeliveryApptCancelRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	mailxml: ReturnInfo Type		Optional	Refer 'ReturnInfo' complex type in Appendix B

3.4.4 DeliveryApptQueryRequest

This message provides the ability to query in FAST:

- The availability of slots for drop ship appointments
- The availability of slots at 10 minute interval (based on hours of operation) for Origin Entry appointments (First-Class Mail, Standard Mail, Periodicals, and Package Services)
- The availability of slots for one time and recurring appointments

Data Structure: DeliveryApptQueryRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptQueryRequest				
RequestMessageHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters			
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters			
ConsigneeMultiStopID	String, 12 characters			
ShipperStopNumber	Non-negative Integer			
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer			
RequestMessageHeaderInfo ends				
SubmittingParty	mailxml:participantIDType			Refer 'participantIDType' complex type in Appendix B

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Mail.XML 8.0B - DeliveryApptQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingSoftware	mailxml:submittingSoftwareType			Refer 'SubmittingSoftware ' complex type in Appendix B
RecurringAppt	mailxml:RecuringApptType		Required	Refer 'RecurringAppt' complex type in Appendix B
OneTimeAppt	mailxml: OneTimeApptType		Required	Refer 'OneTimeAppt' complex type in Appendix B
SlotAvailibilty	mailxml:slotAvailibilityType		Required	
DetailInfo	mailxml: DetailInfo Type		Required	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Required	Refer 'TrailerInfo' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Required	Refer 'ConsigneeFacility' complex type in Appendix B
Comment	String, 256 characters		Optional	

3.4.5 DeliveryApptCancelCreateRequest

This message provides the ability to cancel and create in FAST:

- To cancel one or multiple appointments and create an appointment in one transaction

Data Structure: DeliveryApptCancelCreateRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptCancelCreateRequest

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Field	Format	Acceptable Values	Business Rules	Comments
DeliveryApptCancelCreateRequest				
CancelCreateMsgHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
TransferAllContent	String		Required	
RequestMessageHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantIDType' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B
ApptCancel Block Begins			Required	
ConsigneeApptID			Attribute, Required	
ReturnInfo	mailxml: ReturnInfo Type		Required	Refer 'ReturnInfo' complex type in Appendix B
ApptCancel Block ends				

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Mail.XML 8.0B - DeliveryApptCancelCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ApptBlock	mailxml: ApptBlockRequestType		Required	Refer 'ApptBlockRequestType ' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Optional	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Optional	Refer 'TrailerInfo' complex type in Appendix B

3.4.6 DeliveryApptCreateResponse

This message provides the ability to create in FAST:

- For acceptance or rejection of the create request

Data Structure: DeliveryApptCreateResponse
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptCreateResponse				
Data Structure: DeliveryApptCreateResponseField	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptCreateResponse				
DeliveryApptCreateAccept				
DeliveryApptCreateAcceptType Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	

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Mail.XML 8.0B - DeliveryApptCreateResponse				
Data Structure: DeliveryApptCreateResponseField	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
DeliveryApptCreateAcceptType ends				
RecurringAppt	mailxml: Recuring ApptType		Required	Refer 'RecurringAppt' complex type in Appendix B
OneTimeAppt	mailxml: OneTime ApptType		Required	Refer 'OneTimeAppt' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Required	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Required	Refer 'TrailerInfo' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Required	Refer 'ConsigneeFacility' complex type in Appendix B
Comment	String, 256 characters		Optional	
ReturnInfo	mailxml: ReturnInfo Type		Optional	Refer 'ReturnInfo' complex type in Appendix B
DeliveryApptCreateRejectType Begins				

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Mail.XML 8.0B - DeliveryApptCreateResponse				
Data Structure: DeliveryApptCreateResponseField	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
DeliveryApptCreateRejectType ends				
ReturnInfo	mailxml: ReturnInfo Type		Required	Refer 'ReturnInfo' complex type in Appendix B

3.4.7 DeliveryApptUpdateResponse

This message provides the ability to update in FAST:

- For acceptance or rejection of the update request

Data Structure: DeliveryApptUpdateResponse
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptUpdateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptUpdateResponse				
DeliveryApptUpdateAccept				
DeliveryApptUpdateAcceptType Begins			Attributes block	

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Mail.XML 8.0B - DeliveryApptUpdateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
DeliveryApptUpdateAcceptTypeends				
RecurringAppt	mailxml:RecuringApptType		Required	Refer 'RecurringAppt' complex type in Appendix B
OneTimeAppt	mailxml: OneTimeApptType		Required	Refer 'OneTimeAppt' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Required	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Required	Refer 'TrailerInfo' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Required	Refer 'ConsigneeFacility' complex type in Appendix B
Comment	String, 256 characters		Optional	

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Mail.XML 8.0B - DeliveryApptUpdateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	mailxml: ReturnInfo Type		Optional	Refer 'ReturnInfo' complex type in Appendix B
DeliveryApptUpdateRejectType Begins				
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
DeliveryApptUpdateRejectType ends				
ReturnInfo	mailxml: ReturnInfo Type		Required	Refer 'ReturnInfo' complex type in Appendix B

3.4.8 DeliveryApptCancelResponse

This message provides the ability to cancel in FAST:

- For cancellation, acceptance or rejection information in the ReturnInfo Block

Data Structure: DeliveryApptCancelResponse
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryApptCancelResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptCancelResponse				
DeliveryApptCancelAccept				
DeliveryApptCancelAcceptType Begins			Attributes block	

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Mail.XML 8.0B - DeliveryApptCancelResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
DeliveryApptCancelAcceptType ends				
DeliveryApptCancelRejectType Begins				
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
DeliveryApptUpdateRejectType ends				

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Mail.XML 8.0B - DeliveryApptCancelResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	mailxml: ReturnInfo Type		Required	Refer 'ReturnInfo' complex type in Appendix B

3.4.9 DeliveryApptQueryResponse

This message provides the ability to query in FAST:

- For confirmation of slot availability in the ReturnInfo Block

Data Structure: DeliveryApptQueryResponse
*New fields for Mail.XML 8.0B marked in yellow.

Mail.XML 8.0B - DeliveryApptQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptQueryResponse				
RequestMsgHeaderInfo			Attributes block	
RequestMsgHeaderInfo Begins			Attributes block	
ShipperApptRequestID	String, 12 characters		Required	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ShipperMultiStopID	String, 12 characters		Optional	
ConsigneeMultiStopID	String, 12 characters		Optional	
ShipperStopNumber	Non-negative Integer		Optional	
ApptType	String		Required	
PickupOrDelivery	String		Required	
PalletPositionCount	Positive Integer		Optional	
RequestMsgHeaderInfo ends				
QueryResults begins			Required	
RecurringAppt	mailxml:RecuringApptType		Required	Refer 'RecurringAppt' complex type in Appendix B

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Mail.XML 8.0B - DeliveryApptQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
OneTimeAppt	mailxml: OneTimeApptType		Required	Refer 'OneTimeApt' complex type in Appendix B
SlotAvailability	mailxml: SlotAvailability Type		Required	Refer 'SlotAvailability Type' complex type in Appendix B
DetailInfo	mailxml: DetailInfo Type		Optional	Refer 'DetailInfo' complex type in Appendix B
TrailerInfo	mailxml: TrailerInfo Type		Optional	Refer 'TrailerInfo' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Optional	Refer 'ConsigneeFacility' complex type in Appendix B
Comment	String, 256 characters		Optional	
AvailableSlot	mailxml: AvailableSlotType		Optional	Refer 'AvailableSlotType' complex type in Appendix B
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
QueryResults ends				
QueryError	mailxml: QueryErrorType		Required	Refer 'QueryError Type' complex type in Appendix B

3.4.10 DeliveryApptCancelCreateResponse

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This message provides the to cancel and create ability in FAST:

- To confirm an appointment cancelled and created in FAST

Data Structure: DeliveryApptCancelCreateResponse

Mail.XML 8.0B - DeliveryApptCancelCreateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryApptCancelCreateResponse				
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
ApptCancel Block begins			Required	
ConsigneeApptID	String, 12 characters		Required attribute	
ApptCancel Block ends				
DeliveryApptAccept	mailxml:deliveryApptAcceptType		Required	Refer 'deliveryApptAcceptType' complex type in Appendix B
DeliveryApptReject	mailxml:deliveryApptRejectType		Required	Refer 'deliveryApptRejectType' complex type in Appendix B

3.5 Delivery Content Messages

This family of Mail.XML transportation related messages supports scenarios where the *PostalOne!* system sends content information to FAST without sending any appointment level information. The Consignee may respond a number of ways, all of which are supported by messages from this message family.

Delivery Content messages provide the:

- Ability to create, update, and cancel stand-alone content that can be used by a business partner with a DeliveryAppointmentCreate or update Request
- Ability to create, update, and cancel contents for one-time and recurring appointments
- Ability to distinguish eVS parcels and submit the associated eFile Number for which they were manifested
- Support for new container types and handling units
- Support for sibling containers
- Ability for schedulers to query for content created by other mail owners/mail preparers
- Ability to provide the Intelligent Mail Container Barcodes(IMCB) associated to the appointment

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- Ability to add, update, or cancel a container to an appointment by a Scheduler

For the Mail.XML 8.0B, the following enhancements will be incorporated into Delivery Content messaging and supported by FAST:

- Ability to create/update/query Origin Entry contents on drop ship appointments
- Ability to identify business entities by CRID
- The support for Unique Container Barcode Validation for Full-Service content
- Ability to return the Consignee Content ID of a content in the response message
- Ability to flag contents as being Full-Service contents
- Ability for appointment schedulers to create/update/cancel contents on their existing appointments
- Ability to identify the associated scheduler by Customer Registration ID
- Ability to create/update/query Origin Entry contents on drop ship appointments

Delivery Content Messages
DeliveryContentCreateRequest / DeliveryContentCreateResponse
DeliveryContentUpdateRequest / DeliveryContentUpdateResponse
DeliveryContentCancelRequest / DeliveryContentCancelResponse
DeliveryContentQueryRequest / DeliveryContentQueryResponse

3.5.1 DeliveryContentCreateRequest

Data Structure: DeliveryContentCreateRequest
*New fields for Mail.XML 8.0B marked in yellow.

Mail.XML 8.0B - DeliveryContentCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentCreateRequest				
DeliveryContentHeaderInfo Begins			Attributes block	
ConsigneeApptID	String, 12 characters			
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
ResponseApptUpdateMsgHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantIDType' complex type in Appendix B

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Mail.XML 8.0B - DeliveryContentCreateRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Optional	Refer 'ConsigneeFacility' complex type in Appendix B
ContentDetailInfo	mailxml: ContentDetailInfoType		Required	Refer 'ContentDetailInfo' complex type in Appendix B

3.5.2 DeliveryContentUpdateRequest

This message provides the ability to update in FAST:

- Ability to add/update/remove the Intelligent Mail Barcodes associated to an Origin Entry content up to 5 days past the appointment date/time. No other content information can be updated past the Consignee Editable Threshold.

Data Structure: DeliveryContentUpdateRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryContentUpdateRequest				
Field	Format	Acceptable Values	Business Rules	Comments
DeliveryContentUpdateRequest				
DeliveryContentUpdateHeaderInfo Begins			Attributes block	
ConsigneeApptID	String, 12 characters			
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
FullContentReplacement	String		Optional	
DeliveryContentUpdateHeaderInfo ends				

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Mail.XML 8.0B - DeliveryContentUpdateRequest				
Field	Format	Acceptable Values	Business Rules	Comments
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantIDType' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Optional	Refer 'ConsigneeFacility' complex type in Appendix B
ContentDetailInfoUpdate	mailxml: ContentDetailInfoUpdateType		Required	Refer 'ContentDetailInfo' complex type in Appendix B

3.5.3 DeliveryContentCancelRequest

Data Structure: DeliveryContentCancelRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryContentCancelRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentCancelRequest				
DeliveryContentcancelRequestType Block Begins			Attributes block	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
DeliveryContentcancelRequestType ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantIDType' complex type in Appendix D
SubmittingSoftware	mailxml:sub		Identifies the	Refer

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	mittingSoftwareType		software submitting the message	'SubmittingSoftware ' complex type in Appendix D
ContentCancel	mailxml: ContentCancel Type		Required	Refer ' ContentCancel Type ' complex type in Appendix D

3.5.4 DeliveryContentQueryRequest

Data Structure: DeliveryContentQueryRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryContentQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentQueryRequest				
DeliveryContentQueryMsgHeaderInfo Begins			Attributes block	
ConsigneeApptID	String, 12 characters			
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
SchedulerContentID	String, 12 characters			
ConsigneeContentID	String, 12 characters			
DeliveryContentQueryMsgHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B

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Mail.XML 8.0B - DeliveryContentQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeFacility	mailxml: ConsigneeFacilityType		Optional	Refer 'ConsigneeFacility' complex type in Appendix B

3.5.5 DeliveryContentCreateResponse

Data Structure: DeliveryContentCreateResponse

Mail.XML 8.0B - DeliveryContentCreateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentCreateResponse				
DeliveryContentAccept	mailxml: DeliveryContentAcceptType		Required	Refer 'DeliveryContentAcceptType' complex type in Appendix B
DeliveryContentReject	mailxml: DeliveryContentRejectType		Required	Refer 'DeliveryContentRejectType' complex type in Appendix B

3.5.6 DeliveryContentUpdateResponse

Data Structure: DeliveryContentUpdateResponse

Mail.XML 8.0B - DeliveryContentUpdateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentUpdateResponse				
DeliveryContentUpdateAccept	mailxml: DeliveryContentUpdateAccept Type		Required	Refer 'DeliveryContentUpdateAccept Type' complex type in Appendix B

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Mail.XML 8.0B - DeliveryContentUpdateResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentUpdateReject	mailxml: DeliveryContentUpdateReject Type		Required	Refer 'DeliveryContentUpdateRejectType' complex type in Appendix B

3.5.7 DeliveryContentCancelResponse

Data Structure: DeliveryContentCancelResponse

Mail.XML 8.0B - DeliveryContentCancelResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentCancelResponse				
DeliveryContentCancelAccept	mailxml: DeliveryContentCancelResponseType		Required	Refer 'DeliveryContentCancelResponseType' complex type in Appendix B
DeliveryContentCancelReject	mailxml: DeliveryContentCancelResponseType		Required	Refer 'DeliveryContentCancelResponseType' complex type in Appendix B

3.5.8 DeliveryContentQueryResponse

Data Structure: DeliveryContentQueryResponse
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - DeliveryContentQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
DeliveryContentQueryResponse				
DeliveryContentQueryMsgHeaderInfo			Attributes block	
DeliveryContentQueryMsgHeaderInfo Begins			Attributes block	
ConsigneeApptID	String, 12 characters		Required	

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Mail.XML 8.0B - DeliveryContentQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
SchedulerContentID	String, 12 characters		Optional	
ConsigneeContentID	String, 12 characters		Optional	
DeliveryContentQueryMsgHeaderInfo ends				
QueryResults begins			Required	
ConsigneeFacility	mailxml: ConsigneeFacilityType		Optional	Refer 'ConsigneeFacility' complex type in Appendix B
ContentDetailInfoUpdate	mailxml: ContentDetailInfoUpdateType		Optional	Refer 'ContentDetailInfoUpdate' complex type in Appendix B
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
QueryResults ends				
QueryError	mailxml: QueryErrorType		Required	Refer 'QueryErrorType' complex type in Appendix B

3.6 Partner Appointment Query Messages

This family of Mail.XML transportation related messages allows mailers to query appointment and content information on behalf of partner mailers for drop ship and Origin Entry one-time appointments:

- Partner Appointment Query Request
- Partner Appointment Query Response

Partner Appointment Query Messages
PartnerApptQueryRequest
PartnerApptQueryResponse

3.6.1 PartnerApptQueryRequest

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This message provides the ability to query in FAST :

- Appointment and content information on behalf of partner mailers for drop ship and Origin Entry one-time appointments

For the Mail.XML 8.0B the following enhancements will be incorporated into Partner Appointment Query messaging and supported by FAST:

- Ability to identify business entities by CRID
- Ability to flag contents as being Full-Service contents
- Ability to query Origin Entry contents on drop ship appointments

Data Structure: PartnerApptQueryRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - PartnerApptQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
PartnerApptQueryRequest				
PartnerApptQueryRequestHeaderInfo Begins			Attributes block	
ConsigneeApptID	String, 12 characters		Optional	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
SchedulerContentID	String, 12 characters		Optional	
ConsigneeContentID	String, 12 characters		Optional	
Start	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	
End	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	
DeliveryContentQueryMsgHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B

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Mail.XML 8.0B - PartnerApptQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeFacility	mailxml: ConsigneeFacilityType		Optional	Refer 'ConsigneeFacility' complex type in Appendix B

3.6.2 PartnerApptQueryResponse

This message provides the ability to query in FAST :

- Based on the profile of submitter , the appropriate appointment information is returned back to submitter

Data Structure: PartnerApptQueryResponse
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - PartnerApptQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
PartnerApptQueryResponse				
PartnerApptRequestHeaderInfo			Attributes block	
PartnerApptRequestHeaderInfo Begins			Attributes block	
ConsigneeApptID	String, 12 characters		Required	
SchedulerID	String, 12 characters		Optional	
SchedulerCorpID	String, 12 characters		Optional	
SchedulerCRID	String, 15		Optional	
SchedulerContentID	String, 12 characters		Optional	
ConsigneeContentID	String, 12 characters		Optional	
Start	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	
End	Datetime	YYYY-MM-DDTHH:MM:SS	Optional	
PartnerApptRequestHeaderInfo ends				
QueryResults begins			Required	
ApptBlock	mailxml: ApptBlock Type		Required	Refer 'ApptBlock' complex type in Appendix B

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Mail.XML 8.0B - PartnerApptQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
QueryResults ends				
QueryError	mailxml: QueryErrorType		Required	Refer 'QueryErrorType' complex type in Appendix B

3.7 Recurring Appointment Query Messages

This family of Mail.XML transportation related messages allows mailers to query for active and pending recurring appointments. Recurring Appointment Query messages will provide the following:

- Ability to query for active and pending drop ship recurring appointments
- Ability to query for active Origin Entry DMU/BMEU verified customer transported appointments
- Ability to query by a specific sequence or an ability to query by SchedulerID

For the Mail.XML 8.0B, the following enhancements will be incorporated into Recurring Appointment Query messaging and supported by FAST:

- Ability to query Origin Entry contents on drop ship appointments
- Ability to identify business entities by CRID

Recurring Appointment Query Messages

RecurringApptQueryRequest
RecurringApptQueryResponse

3.7.1 RecurringApptQueryRequest

This message provides the ability to query in FAST:

- Active and pending drop ship recurring appointments based on status
- Active First-Class DMU/BMEU verified customer transported appointments

Data Structure: RecurringApptQueryRequest
***New fields for Mail.XML 8.0B marked in yellow.**

Mail.XML 8.0B - RecurringApptQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**

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Mail.XML 8.0B - RecurringApptQueryRequest				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
RecurringApptQueryRequest				
RecurringApptQueryRequestHeaderInfo Begins			Attributes block	
CreatorSchedulerID	String, 12 characters		Optional	
CreatorSchedulerCorpID	String, 12 characters		Optional	
CreatorSchedulerCRID	String, 15		Optional	
RecurringApptStatus	Mailxml_base:recurringStatusType		Required	
RecurringApptQueryRequestHeaderInfo ends				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	Refer 'participantID Type' complex type in Appendix B
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	Refer 'SubmittingSoftware ' complex type in Appendix B
ConsigneeFacility	mailxml: ConsigneeFacilityType		Optional	Refer 'ConsigneeFacility' complex type in Appendix B

3.7.2 RecurringApptQueryResponse

This message provides the ability to query in FAST :

- The recurring appointment information by sequence for both drop ship and active origin entry DMU/BMEU verified customer transported appointments

Data Structure: RecurringApptQueryResponse

Mail.XML 8.0B - RecurringApptQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
RecurringApptQueryResponse				
QueryResults begins			Required	

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Mail.XML 8.0B - RecurringApptQueryResponse				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
RecurringApptBlock	mailxml: RecurringApptBlockType		Required	Refer 'RecurringApt' complex type in Appendix B
ReturnInfo	mailxml: ReturnInfoType		Optional	Refer 'ReturnInfo' complex type in Appendix B
QueryResults ends				
QueryError	mailxml: QueryErrorType		Required	Refer 'QueryErrorType' complex type in Appendix B

2.

3.8 Mail.XML 8.0 B Specific Business Rules

There are no new messages; no new appointment or content types added in Mail.XML 8.0B as compared with Mail.XML 6.0D. The main changes to the FAST system with Mail.XML 8.0B are:

1. When a pallet has any Full-Service mail on it, identification of Full-Service is requested by the FAST system and a Full-Service flag has been added at the pallet level. This flag is added to the USPSSUMMARYBLOCK. When the pallet has Full-Service mail on it, FAST system needs this information and will validate the uniqueness of the IMcb during the 45-day period.

2. General change to every message in Mail.XML 8.0B is that in the message header block, the FAST system will authorize the transaction by a company's CRID besides the SchedulerID of the company. From March 2009 onwards, schedulers have the option to identify their company by their CRID or by their SchedulerID. We recommend Schedulers move their identification to the CRID IDs, since in the long run the SchedulerID support 'may be removed.

3. The messages that can be used to query information for self as well as your business partner are:
   a. DeliveryContentQueryRequest
   b. RecuringAppointmentQueryRequest
   c. PartnerAppointmentQueryRequest
   d. CustomerSupplierAgreementQueryRequest

   The change in FAST is that for the above messages FAST will use the Submitting Party block to identify the sender of the transaction and will use the message header blocks to identify which entity's information has been requested. E.g., Submitting party company A can provide their own information in the message header and receive their own information back from the FAST system or company A can identify their business partner company B in the message header and the USPS will give back company B's information to company A.

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4. AppointmentStatus field is added to the RecurringAppointmentQueryRequest and Response messages so that the Scheduler can request the information by status type of the recurring appointment, which is pending, accepted, and rejected status.

5. PackageServicesSubclass was added to the CustomerSupplierAgreementQueryResponse message so that this subclass information can be provided back to the customer for the designated CSA.

6. AllDeliveryApptCloseoutRequest can now be used by any business entity, (i.e., Scheduler, Owner, or Preparer of mail) to get their closeout data from FAST if they were identified as a Scheduler, Preparer, or Owner as part of the appointment scheduling process. The key change with this message is that with Mail.XML v8.0B release the *PostalOne!* system will only look at the CRID or SchedulerID in the SubmittingParty block to look for authorization of data and closeout response.
   If the customer provided the start and end dates in the AllDeliveryApptCloseoutRequest, the *PostalOne!* system will use these dates to filter the closeout data as follow:
   a. ConsigneeGoodsReceipts will be filtered based on ScheduledAppt.
   b. UnscheduledConsigneeGoodsReceipt will be filtered based on ActualTruckArrival.
   c. Data can be retried up to a maximum 500 when filter conditions are applied
7. Mail.dat Transportation Updates for Recurring Appointment – the customers have an option to provide their contents for the Full-Service compliance to FAST systems through *PostalOne!* Mail.dat transportation updates. The Mail.dat Transportation updates are only available for eDOC filed through Mail.dat and for the recurring appointments that were created through Mail.XML (i.e. DeliveryApptCreateRequest or DeliveryApptShellCreateRequest).

   The appointment information needs to match the actual delivery of mail. Once received by *PostalOne!* this IMCB and presort data is sent to the FAST system. If FAST rejects the transaction, the error <u>is not</u> reported back to *PostalOne!* or to the customer. The customer must log in to the FAST online system to verify if the contents have been successfully associated with the recurring appointment.

   For transportation updates, customer must submit Mail.dat CSM file with the following required fields:

   a. SequenceID: This is 6 byte field and is composed of 5 numeric values followed by hard letter ‘R’ which signify recurring appointment e.g. 23567R
   b. ReservationNumber: This is the FAST appointment ID which customer gets it when they schedule appointment through FAST online or through Mail.XML using DeliveryApptCreateRequest or DeliveryApptShellCreateRequest
   c. ScheduledInductionDate: This is the planned appointment date that was scheduled by the customer through FAST online or Mail.XML at the time of appointment creation.
   d. FASTContentID: This is associated with the recurring appointment in the FAST system. The FAST Content ID is a 9 digit numeric field, which can be obtained either through the FAST online system or via Mail.XML through the RecurringApptQueryRequest. Similar to the FAST Recurring Sequence, the FAST Content ID is static

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4. Additional information

4.1 Additional Rules/Constraints

The following section outlines the specific rules and constraints for USPS implementation. For additional details regarding the calculations used for Appointment Rating, online supported functionality vs. Web Services supported functionality, etc., please refer to the *FAST User Guide*.

- A mailer must submit an appointment using the facility's local time (taking time zone and daylight savings into consideration) and FAST will respond using the same logic.
- A mailer can make use of two new files, the. BMEU Entry and CET (Critical Entry Time) files, to identify the Locale Key of a BMEU office and the Critical Entry times at a plant by class and shape respectively. These files are in conjunction with the address file's facility name and Zip Code. These files are available under http://fast.usps.com -> Resources -> Drop Ship Product File Download section.
- The following outlines the list of possible values for Appointment Types, Mail Classes, Processing Categories, Presort Levels, and Rate Types for the Delivery Appointment Query Request, Delivery Appointment Create Request and Delivery Appointment Update Request. Also included in the Presort list is a breakdown of whether the content tied to that Presort is treated as Working or Cross Dock content for volume availability calculations.

Appointment Type (apptTypeType)		
Code	**Description**	**Supported?**
1	Pallet	Yes
2	DropAndPick	Yes
3	Speedline	Yes
4	Bedload	Yes

Mail Class (mailClassType)		
Code	**Description**	**Supported?**
1	First-Class Mail	Yes
2	Periodicals	Yes
3	Standard Mail	Yes
4	Packaged Services	Yes
6	Standard/Periodicals Co-Mailings	Yes*

*** NOTE**: Standard Mail/Periodicals Co-Mailings content will be processed by FAST as Standard Mail content. Currently, the *PostalOne!* system does not support Co-Mailing Class "6" due to postage implications. As a result, the *PostalOne!* system will not populate Mail Class "6" from Mail.dat files into the internal PostalOne! to FAST XML specification for recurring appointments because files with that mail class of six (6) will fail validation.

Processing Category (processingCategoryType)		
Code	**Description**	**Supported?**
LT	Letter	Yes
FL	Flat	Yes

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CD	Card	Yes*
PF	Parcel, First-Class Mail	Yes
MP	Machineable Parcel	Yes
IR	Irregular Parcel	Yes
OS	Outside Parcel	Yes
CM	Custom Mail	No
NA	Not Flat-Machinable < 6oz	Yes
NB	Not Flat-Machinable >= 6oz	Yes
NP	Non Machinable Parcels	Yes

NOTE: Processing Category of “CD” (“Card”) is translated to “LT” (“Letter”) for volume availability.

PreSort Types (containerLevelType)			
Code	**Description**	**Supported?**	**Type**
A	CR-Direct	Yes	Cross Dock
B	Mixed CR in 5 Digit	Yes	Cross Dock
C	Mixed CR in 3 Digit	Yes	Working
D	CR – 5D Scheme	Yes	Cross Dock
E	DPC/3D Scheme	No	N/A
F	RDC/Scheme	No	N/A
G	5 Digit (Auto/Presort)	Yes	Working
H	5 Digit (Merged)	Yes	Working
I	5 Digit (Presort Only)	Yes	Working
J	5 Digit (Barcode Only)	Yes	Working
K	Metro Scheme	Yes	Working
L	Mixed RDC	No	N/A
M	5D Scheme (Presort)	Yes	Cross Dock
N	5D Scheme (Auto/Presort)	Yes	Cross Dock
P	5D Scheme (Barcode)	Yes	Cross Dock
Q	5D Scheme (Merged)	Yes	Cross Dock
R	3 Digit (Auto/Presort)	Yes	Working
S	3 Digit (Barcode)	Yes	Working
T	3 Digit (Presort)	Yes	Working
U	3 Digit (CR/Auto/Presort)	Yes	Working
V	3 Digit Scheme	Yes	Working
W	TBD (Not supported under Mail.XML 8.0B)	No	Working
X	SCF	Yes	Working
Y	Protected SCF	Yes	Working
Z	ADC	Yes	Working
AA	AADC	Yes	Working
AB	Mixed ADC	Yes	Working
AC	Mixed AADC	Yes	Working
AD	ASF	Yes	Working
AE	NDC (BMC before March 2010)	Yes	Working
AF	Protected NDC (Protected BMC	Yes	Working

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PreSort Types (containerLevelType)			
Code	**Description**	**Supported?**	**Type**
	before March 2010)		
AG	Mixed NDC (Mixed BMC before March 2010)	Yes	Working
AJ	Single Piece	No	Working
BA	Urban Direct	No	N/A
BB	Rural Direct	No	N/A
BC	Station	No	N/A
BD	City	No	N/A
BE	FSA	No	N/A
BF	DCF	No	N/A
BG	FCP	No	N/A
BH	Province	No	N/A
BI	Residual	No	N/A
BJ	Foreign	No	N/A
BK	Country	No	N/A
BL	Mixed Country	No	N/A
BM	M Bags	No	N/A

Note: New CSA based sort levels are under consideration for support by the FAST System.

e.g., AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT

Rate Type (rateTypeType)		
Code	**Description**	**Supported?**
B	Bound Printed Matter	Yes
D	Parcel Select	Yes
F	Media	Yes
L	Library	Yes
P	Parcel Post	No**

** Parcel Post is not supported for drop ship appointments but is supported for Origin Entry appointments.

Rate Type is required for all Package Services content.

NOTE: The mailClassType, processingCategoryType, containerLevelType, and RateType fields are all contained in the USPS Summarization block. Each Delivery Appointment Query Request, Delivery Appointment Create Request, Delivery Appointment Update Request, Delivery Content Create Request and Delivery Content Update Request can contain more than one USPS Summary block. If a single USPS Summary block within these messages contains an unsupported or invalid type for any of these fields, the entire message will be rejected. In addition, a Return Code/Description will be returned for each violation.

- Only the following fields will be populated with new data in the response messages. All other information will simply be populated based on what was originally sent in the request message.

4.1.1 Delivery Appointment Query Response

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- All available appointment(s) are populated in a one to many Available Hours element in 10-minute intervals in the AvailableSlots block. (Starting with Mail.XML 6.0)
- ReturnInfo block containing Drop Entry Warnings if any have occurred
- If no –available date/times are found, the ReturnInfo block containing one to many return code/description combinations is populated.
- ReturnInfo block containing IM container barcodeWarnings if any have occurred

4.1.2 Delivery Appointment Create Acceptance Response

- The ScheduledAppt element in the ApptBlock block is populated.
- The ConsigneeApptID in the ResponseMsgHeaderInfo block is populated.
- The ConsigneeMultiStopID in the ResponseMsgHeaderInfo block is populated if the Appointment is tied to a Multistop.
- ReturnInfo block containing Drop Entry Warnings if any have occurred
- ReturnInfo block containing IMCB Warnings if any have occurred

4.1.3 Delivery Appointment Create Rejection Response

ReturnInfo block containing one to many return code/description combinations is populated.

4.1.4 Delivery Appointment Update Acceptance Response

- The ScheduledAppt element in the ApptBlock block is populated.
- ReturnInfo block containing Drop-Entry Warnings if any have occurred
- ReturnInfo block containing IMCB warnings if applicable

4.1.5 Delivery Appointment Update Rejection Response

ReturnInfo block containing one to many return code/description combinations is populated.

ReturnInfo

A ReturnInfo block containing one to many return code/description combinations is populated if the Appointment was not cancelled successfully.

4.1.6 Delivery Appointment Cancel Create Acceptance Response

- The ScheduledAppt element in the ApptBlock block is populated.
- The ConsigneeApptID in the ResponseMsgHeaderInfo block is populated.
- ReturnInfo block containing Drop Entry Warnings if any have occurred.
- Delivery Appointment Cancel Create Rejection Response
- ReturnInfo block containing one to many return code/description combinations is populated.

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- ReturnInfo block containing IM container barcode warnings if applicable

4.1.7 Delivery Content Accept Response

- The ConsigneeContentID in the ContentUSPSSummaryUpdate block is populated.
- ReturnInfo block containing Drop Entry Warnings if any have occurred.
- ReturnInfo block containing IM container barcode warnings if applicable

4.1.8 Delivery Content Reject Response

The ReturnInfo block containing one to many return code/description combinations is populated.

4.1.9 Delivery Content Cancel Response

- If the content cannot be cancelled, the ReturnInfo block containing one to many return code/description combinations is populated.

4.1.10 Delivery Appointment Shell Accept Response

- The PreferredAppt element in the ApptBlock block is populated with the actual appointment date/time of the Scheduled appointment.
- The ConsigneeApptID in the ResponseMsgHeaderInfo block is populated.
- 9-digit numeric ID will be returned for one-time appointment
- 5-digit numeric ID followed by the “R” character will be returned for recurring sequences
- The OptionalAppt field is not returned in the response message.

4.1.11 Delivery Appointment Shell Reject Response

ReturnInfo block containing one to many return code/description combinations is populated.

4.1.12 Delivery Appointment Shell Cancel Response

- A CancelConfirmID is populated if the appointment shell is cancelled.
- If the appointment cannot be cancelled, the ReturnInfo block containing one to many return code/description combinations is populated.

4.1.13 Delivery Content Query Response

- A ContentUSPSSummary block for each active content is populated. See Appendix C – Errata # 89. There is change in USPSSummaryBlock; adding FullServiceIndicator element with acceptable values of ‘Yes’ or ‘No’ (This change will only impact customers when FAST implements the next version of Mail.XML which may be a post November 2009.)
- If business rule violations occur, the ReturnInfo block containing one to many return code/description combinations is populated.

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- 5-digit Scheduler IDs will be returned in place of full Scheduler IDs for all mail preparers and mail owners. A full Scheduler ID will be returned if the Scheduler ID is the same as the requestor's Scheduler ID or the creator's Scheduler ID.

Recurring Appointment Query Response

- A RecurringApptBlk block for each active or pending recurring sequence is populated.
- A USPSSummary block for each active content is populated. See Appendix C – Errata # 89. There is change in USPSSummaryBlock; adding FullServiceIndicator element with acceptable values of 'Yes' or 'No'. (This change will only impact customers when FAST implements the next version of Mail.XML, which may be a post November 2009.)
- If no Recurring Appointment matches are found, the ReturnInfo block containing one to many return code/description combinations is populated.
- 5-digit Scheduler IDs will be returned in place of full Scheduler IDs for all mail preparers and mail owners. A full Scheduler ID will be returned if the Scheduler ID is the same as the requestor's Scheduler ID or the creator's Scheduler ID

Partner Appointment Query Response

- Scenarios/Permissions

  Scheduler - If the Submitting Party Scheduler ID corresponds to the Scheduler of the appointment, FAST will return all logistics and content information. A partial Scheduler ID (first 5-digits) will be returned for the Scheduler, Mail Owner(s) and Mail Preparers.

  Mail Preparer - If the Submitting Party Scheduler ID corresponds to the Mail Preparer of the appointment or within the Mail Preparer's corporation, FAST will return all logistics information and content information for which they are the Mail Preparer. A partial Scheduler ID (first 5-digits) will be returned for the Mail Preparer, Mail Owner(s) and Scheduler.

  Mail Owner - If the Submitting Party corresponds to the Mail Owner of the appointment or within the Mail Owner's corporation, FAST will return all logistics information and content information for which they are the Mail Owner. A partial Scheduler ID (first 5-digits) will be returned for the Mail Owner, Scheduler and Mail Preparer.
- An ApptBlk block for each appointment is populated.
- A ContentUSPSSummary block for each active content is populated. See Appendix C – Errata # 89. There is change in USPSSummaryBlock; adding FullServiceIndicator element with acceptable values of 'Yes' or 'No'. (This change will only impact customers when FAST implements the next version of Mail.XML, which may be a post November 2009.)
- 5-digit Scheduler IDs will be returned in place of full Scheduler IDs for all mail preparers and mail owners.
- Customer / Supplier Agreement Query Response
- A CSAInfo block for each pending, active or inactive Customer / Supplier Agreement is populated.
- If no Customer / Supplier Agreement matches are found, the ReturnInfo block containing one to many return code/description combinations is populated.
- If Customer Supplier Agreement ID (CSAID) is not provided, FAST will return all CSAs associated to the Owner CRID.
- To leverage the Mail Owner field in the DeliveryApptCreateRequest message, the "Mail Owner Identifier" field of the Component Record in Mail.dat must be populated with the 12 character Scheduler ID of the Mail Owner.

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- The IDEAlliance specification allows for an unlimited number of USPS Summary blocks to be supplied in the Detail Information block. However, the maximum number of USPS Summary blocks allowed in any given message is 100.
- The IDEAlliance spec allows a Pallets block within a given USPSSummary block to contain both Presort counts and non Presort counts. For the USPS implementation, all non Presort counts must be added together and summarized into a single Pallets block. For example:

  The IDEAlliance spec allows for the following:

  Pallets Block 1: pallet count = 17

  Presort 1: 5 digit, Count = 4

  Presort 2: 3 digit, Count = 7

  The USPS implementation requires the pallets to be broken into two Pallets blocks:

  Pallets Block 1: Count = 11

  Presort 1: 5 digit, Count = 4

  Presort 2: 3 digit, Count = 7

  Pallets Block 2: Count = 6; No presort records

  NOTE: If the total presort counts do not equal the pallet block count for a pallet block, an error message will be returned.
- The IDEAlliance specification allows actual piece count to be provided for presort and non presort counts. FAST will only use the actual piece count for volume if it is provided for all presorts and non presorts for a given USPSSummary block.

  FAST will use the Actual Piece count for the following USPSSummary block scenario:

  Pallets Block 1: Count = 10

  Presort 1: 5 digit, Count = 5, Actual Piece Count = 100
  Presort 2: 3 digit, Count = 5, Actual Piece Count = 100
  FAST will NOT use the Actual Piece count for the following USPSSummary block scenario:

  Pallets Block 1: Count = 10
  Presort 1: 5 digit, Count = 5, Actual Piece Count = 100

  Presort 2: 3 digit, Count = 5, Actual Piece Count Not Provided
  FAST will NOT use the Actual Piece count for the following USPSSummary block scenario:

  Pallets Block 1: Count = 5, Actual Piece Count = 100
  Pallets Block 2: Count = 5, Actual Piece Count Not Provided
- The IDEAlliance specification allows multiple UniqueContainerBarcode elements to be included in a single USPS Summary block. The USPS implementation will store all UniqueContainerBarcode elements and will validate for uniqueness. Uniqueness is validated based on a 45-day timeframe. UniqueContainerBarcodes associated to an appointment that was scheduled for 45 days in the past or for an appointment that has been cancelled or rejected are considered valid for re-use. If an appointment is no-showed, all associated UniqueContainerBarcodes are valid again after 12 days (288 hours) for drop ship appointments, and after 5 days (120 hours) for Origin Entry appointments.
- The IDEAlliance specification allows multiple SiblingBarcode elements to be included in a single USPS Summary block. The USPS implementation will store all SiblingBarcode elements and will validate for uniqueness. Uniqueness is validated based on a 45-day timeframe.

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- The IDEAlliance specification allows for the SiblingBarcode and the UniqueContainerBarcode to be between 1 and 24 characters. FAST requires that the SiblingBarcode and the UniqueContainerBarcode be 21 characters and begin with “99M”.
- The IDEAlliance specification allows multiple OptionalAppt elements to be included in a single Appointment block. The USPS implementation will only use the first OptionalAppt element and others will be ignored. In addition, the OptionalAppt element will only be supported for the Delivery Appointment Query Request message.
- The Facility Number should be populated with the facility Locale Key (characters 2-7 of the drop site key)
- The VerificationZip4 element in the Mail.dat Summarization block is not required in the IDEAlliance specification. However, it is a required element for the USPS implementation when using the Mail.dat Summarization block because the VerificationZip4 element must be provided in order to retrieve the actual Mail.dat data.
- Before any message is sent that requires the *PostalOne!* system to populate information from Mail.dat data, the Shipper must ensure the Mail.dat data that corresponds to the Appointment is up to date in the *PostalOne!* system prior to sending a Web Services request.
- The Perishable element is a required field in the USPSSummary block. It does not exist in the Mail.dat. The *PostalOne!* system will set the Perishable element value to ‘No’ when the *PostalOne!* system populates an USPSSummary block with Mail.dat data.
- For the Customer Registration Process, the user belonging to a Shipper must identify and verify his/her company’s correct corporate headquarters (HQ) location ZIP (e.g., 22202-6761-000). The FAST system will generate a 12-byte field for that 9 digit Scheduler Corporate ZIP+4, e.g., 222026761000. The last three digits of a Scheduler Corporate ID will always be 000 (three zeros) unless there is a duplicate record with 000 (in which case it would be incremented to the next value – e.g. 001). This ‘SchedulerCorporateID’ will be provided by the FAST system to all shippers via e-mail and it will be sent to the *PostalOne!* system with every Web Services transaction by the shipper. Each User must also be assigned a ‘SchedulerID’ by the FAST system, which will be used to uniquely identify the scheduler entity. The ‘SchedulerID‘ will be generated in the background and shown to the user on the screen.

  The Scheduler ID will also be e-mailed to the user/Scheduler/Shipper, so Shipper can always ensure the correct ‘SchedulerID’ is always part of every Web Services message that is sent to USPS for identification purposes. The Scheduler entity can be an internal business role within a Shipper’s organization and will be tied to the Shipper’s corporate headquarters for FAST to rate the Shipper’s corporation. The format of the Scheduler ID will be location ZIP+4 format plus three bytes (201486791001). A unique Scheduler ID will be generated in the ZIP+4 format with appended sequence numbers (always three digits and these three digits will never be three zeros) and communicated to the user via e-mail each time for a given Scheduler entity.

  For example, the FAST system will use the following example format to identify Corp HQ and Scheduler Locations:

  - 222021234000 - Corporate HQ (saved without the hyphen). Shipper MUST **not** use a hyphen (-) when sending the SchedulerCorpID to USPS). The first nine digits will be the Corporate HQ ZIP+4 and the last three digits will be sequence numbers and will always be three zeros (000).
  - 222021234100 - SchedulerID or Scheduler Entity ID (business role) at a given Shipper location (saved without the hyphen). Shipper MUST **not** use a hyphen (-) when sending the SchedulerID to USPS. The last three digits will be sequence numbers and will never be three zeros.
- Do not send the same request repeatedly in succession if you did not receive an immediate response. Sending the message repeatedly with the same ShipperApptRequestID for a given

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SchedulerID will result in an error. If you received a Tracking ID from the *PostalOne!* system, use that Tracking ID to retrieve your message in the first response.

- The DeliveryContent messages can be used by Schedulers, Mail Owners and Mail Preparers to add/update/cancel drop ship content:
    - Mail.XML 6.0D and Mail.XML 8.0B DeliveryContent messages will be designated as drop ship if the DestinationDiscountIndicator is set to 'Yes', if DestinationDiscountIndicator is set to 'No', FAST would generate an error response.
    - Stand-alone content - FAST shall treat the content as stand-alone content if the ConsigneeApptID is not provided in the request message. Stand-alone contents can be leveraged only for drop ship scenarios.
    - One-time content for an existing appointment - FAST shall treat the content as one time content if the ConsigneeApptID provided in the request message is a 9-digit appointment ID.
    - Recurring content for an existing recurring sequence - FAST shall treat the content as recurring content if the ConsigneeApptID provided in the request message is a 5-digit recurring sequence ID followed by the character "R".
    - Mail.XML 8.0BDeliveryContent messages can be used to add/update/remove a specific content for an appointment created by the Scheduler.
- Multiple contents may be canceled by providing each content's ConsigneeContentID (and ConsigneeApptID for associated content) for Mail.XML 6.0DDeliveryContentCancel requests.
- The DeliveryContentQuery messages may be used to query content for drop ship and origin-entry appointments:
    - If ConsigneeApptID is 9-digits then the content will be returned as one time appointment content (Mail.XML 8.0).
    - If ConsigneeApptID is 5-digits followed by the 'R' character then the content will be returned as recurring content (Mail.XML 8.0).
    - FAST shall only return active/open contents (Mail.XML 8.0)
    - The submitter of Mail.XML 8.0 DeliveryContentQueryRequest will be denoted by the SubmittingParty SchedulerID or CRID. This replaces the RequestorSchedulerID from Mail.XML 4.0.
    - If both SchedulerID and CRID are provided within the SubmittingParty, they will be validated that they both belong to the same FAST Scheduler (Mail.XML 8.0).
    - FAST shall return only a single content if the ConsigneeContentID and SchedulerContentID fields are present in the DeliveryContentQueryRequest message. In this case, the ConsigneeContentID and SchedulerContentID must correspond (Mail.XML 8.0).
    - The SchedulerID within the header information must be the scheduler of the appointment when ConsigneeAppointmentID is provided and no ConsigneeContentID is provided (Mail.XML 8.0).
    - CreatorSchedulerID must be the content creator when a ConsigneeContentID is provided. FAST shall only return contents where the SubmittingParty is the scheduler of the appointment, content creator, logistics scheduler, mail preparer, or mail owner. The permissions are maintained at the corporate level. A partial scheduler ID (last 5-digits) will always be returned in the DeliveryContentQueryResponse unless the sender of the message is the creator of the content queried or the scheduler of the appointment (when ConsigneeApptID is included (Mail.XML 8.0).

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- Mail.XML 8.0 DeliveryApptShellCreateRequest messages will be designated as drop ship if the PickupOrDelivery element is set to “Delivery”. If the PickupOrDelivery element is set to “Pickup” the DeliveryApptShellCreateRequest message will be designated as Origin Entry.
- The DeliveryApptShellUpdateRequest should be used to update one-time and recurring appointment-level detail for an appointment with associated content, however, it may not be used to update the facility of an appointment if the appointment has associated content. The DeliveryApptShellUpdateRequest may only be used to update the facility for one-time appointments with no associated content and recurring appointments that are pure periodicals that are subject to one or more redirections.
- The DeliveryApptShellCancelRequest may only be used to cancel one-time appointment shells that have no associated content. The DeliveryApptCancelRequest should be used for any appointments that have associated content.
- The DeliveryApptShellCancelRequest may be used to cancel recurring appointments with associated content or recurring appointment shells previously created via Web Services. Additionally, the Mail.XML 8.0 DeliveryApptCancelRequest may be used to cancel recurring appointments by specifying the recurring appointment ID. This applies only to drop ship.
- The IDEAlliance specification allows multiple AdvanceMailingID elements to be included in a single USPSSummary block. FAST will only use the first AdvanceMailingID element and others will be ignored.
- The SchedulerContentID in the DeliveryContentCreate, DeliveryContentUpdate and DeliveryContentCancel messages is an ID generated by the Scheduler and should be numeric with no alphabet characters.
- The SchedulerContentID may be populated by the customer with a 12 digit (or less) numeric value. If SchedulerContentID is not populated in a MailDatSummary block, the *PostalOne!* system will populate SchedulerContentID in both the MailDatSummary block and the corresponding USPS Summary block with a *PostalOne!*-generated alphanumeric field consisting of P followed by a sequence of 11 digits or less. The SchedulerContentID will be populated in response messages with this value.
- The FullContentReplacement field in the header of the DeliveryContentUpdateRequest may only be “Yes” if a ConsigneeApptID is provided. If the FullContentReplacement field is “Yes,” FAST will cancel all content in an appointment created by the SchedulerID provided. If a ConsigneeContentID is provided in the DeliveryContentUpdateRequest, then the content will be updated and not canceled.
- The TransferAllContent field in the header of the DeliveryApptCancelCreateRequest may only be “Yes” if there is only one appointment that will be cancelled. If the TransferAllContent field is “Yes” FAST will cancel all contents on the appointment
- The IDEAlliance specification allows for MixedLengthTrays to be a valid palletHandlingUnitType for Origin Entry mail. FAST shall convert all MixedLengthTrays to 2’ Trays for Origin Entry mail.
- .
- The ConsigneeApptID, ScheduledInductionDate, LogisticsSchedulerID, LogisticsSchedulerCorpID and LogisticsSchedulerCRID are not required in the Mail.XML Mail.XML 8.0B DeliveryContentCreateRequest and DeliveryContentUpdateRequest messages. FAST requires either the ConsigneeApptID or the following fields be populated: ScheduledInductionDate and either LogisticsSchedulerCRID or both LogisticsSchedulerID and LogisticsSchedulerCorpID.
- FAST will be supporting First-Class, Standard, Package Services, and Periodicals Mail Classes for Origin Entry appointments in the Mail.XML 6.0DDeliveryApptCreateRequest, DeliveryApptUpdateRequest and DeliveryApptQueryRequest. However FAST will not support a

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mix of both origin entry and drop ship contents on the same appointment. If DestinationDiscountIndicator is set to 'Yes', the content will be designated as drop ship, if DestinationDiscountIndicator is set to 'No', the content will be designated as origin entry.

- The ContainsAutoMail field will be used to determine whether letter and flats are automated or not for origin entry content.
- The ContainsAutoMail field will only be used for letters and flats.
- The IDEAlliance specification allows for all enumerations of palletType regardless of the Mail Class. FAST requires that the Standard, Package Services, Periodicals and Standard/Periodicals Co-Mailings contents have a palletType of "Pallet". All enumerations of palletType will be accepted for First-Class contents.
- If Customer Supplier Agreement ID (CSAID) is not provided, FAST will return all CSAs associated to the Owner CRID.
- Drop shipment appointments and drop shipment recurring appointments can only be scheduled hourly on the hour (e.g. 10:00:00 or 11:00:00). Origin Entry mailer transported appointments for one time and recurring appointments can only be scheduled in 10 minute intervals (e.g. 10:00:00, 10:10:00 or 10:20:00).
- Contents with Intelligent Mail Container Barcodes may not be added to one time drop ship appointment shells within 24 hours of the appointment date/time.
- Contents with Intelligent Mail Container Barcodes may not be added to one time drop ship pure periodical appointment shells within one hour of the appointment date/time.
- Contents with Intelligent Mail Container Barcodes may not be added to one time origin entry appointment shells within one hour of the appointment date/time.
- Mail.XML 8.0B DeliveryAppointmentCreateRequest, DeliveryAppointmentUpdateRequest, DeliveryAppointmentCancelRequest, DeliveryAppointmentQueryRequest, DeliveryAppointmentCancelCreateRequest, DeliveryContentCreateRequest, DeliveryContentUpdateRequest, DeliveryContentCancelRequest, DeliveryContentQueryRequest, DeliveryAppointmentShellCreateRequest, DeliveryAppointmentShellUpdateRequest, DeliveryAppointmentShellQueryRequest, RecurringAppointmentQueryRequest and PartnerAppointmentQueryRequest (Mail.XML 6.0 only) messages require that either SchedulerCRID or both SchedulerID and SchedulerCorpID are provided within the header of the message.
- If the SchedulerID, SchedulerCorpID and SchedulerCRID are all provided within the header of a Mail.XML 8.0B message, all three fields must be associated to the same business entity according to FAST scheduler information.
- Mail.XML 8.0B DeliveryContentCreateRequest and DeliveryContentUpdateRequest messages allow identification of the Logistics scheduler via the LogisticsSchedulreCRID or the LogisticsSchedulerID and LogisticsSchedulerCorpID.
- Mailers utilizing *PostalOne!* Mail.dat Summary block to create/update content for recurring appointment instances in FAST may provide sibling barcodes without an associated parent barcode. The PartnerApptQueryResponse and DeliveryContentQueryResponse messages will return a "NA" in the UniqueContainerBarcode element for these content.
- Drop ship one time appointments created online can be updated or cancelled via Web Services.
- Drop ship recurring appointment sequences created via Web Services cannot be updated or cancelled online.
- Drop ship recurring appointment sequences created online can be updated or cancelled via Web Services.

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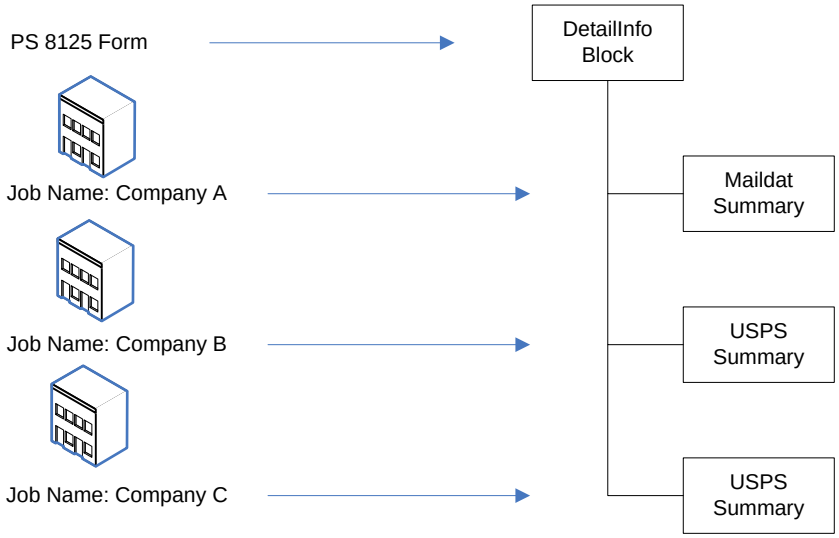
- Origin Entry one time appointments created via Web Services can have appointment logistics updated online, but content cannot be updated or be cancelled online.
- Origin Entry one time appointments created online can be updated or cancelled via Web Services.
- Origin Entry recurring appointment sequences created via Web Services appointment logistics can be updated online, but content cannot be updated or cancelled online.
- Origin Entry recurring appointment sequences created online can be updated or cancelled via Web Services.
- Drop ship stand-alone content created or updated via Web Services may be associated to an appointment or rejected online.
- Origin entry stand-alone content created or updated via Web Services may be associated to an appointment or rejected online.

4.1.14 Detail Info Block

PostalOne! will support the following method to populate the DetailInfo Block

PostalOne! Option: Shipper uses a DetailInfo Block to represent a PS 8125 Form.
Shipper uses a USPSSummary or MaildatSummary block to represent a mail job.



4.2 Multistop Support

The following is a breakdown of what is supported from a Multistop perspective:

4.2.1 FAST Online Application

- Create a new Appointment and associate it to a new Multistop.
- Create a new Appointment and associate it to an existing Multistop.

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- Disassociate an existing Appointment from a Multistop (the Appointment is still active but it is no longer associated with a Multistop).
- Cancel the entire Multistop and therefore cancel all Appointments associated with that Multistop.

4.2.2 Web Services

- Create a new Appointment and associate it to a new Multistop.
- Create a new Appointment and associate it to an existing Multistop.

NOTES:

- An Appointment tied to a Multistop cannot be directly disassociated from that Multistop via Web Services. The Appointment will have to be canceled and rescheduled without the Multistop information OR the Appointment can be disassociated online.
- An existing Appointment cannot be added to an existing or new Multistop through online or Web Services. In both cases, the Appointment will have to be canceled and rescheduled with the Multistop information.
- Any time an Appointment is canceled, the overall Corporate rating may be impacted. Please see Mailer/Appointment Rating section of the *FAST User Guide* for more details on the rating calculation.

4.3 Error Codes/Return Values

The IDEAlliance "TM-Spec-<TM Specification version>Faults" specification outlines a set of possible Return Code values for the Mail.XML specification version. Below is an outline of the Return Code values that are supported in the USPS implementation. The IDEAlliance specification also allows implementation-specific Return Code values to be defined. The USPS implementation-specific Return Code values are also listed below.

IDEAlliance Return Code Values		
Code	**Description**	**Supported?**
1000	Invalid Scheduler ID for Scheduler Corp ID	Yes
1001	Invalid Scheduler Corp ID	Yes
1002	Unrecognized Facility	Yes*
1003	Appt Type not supported by the facility	No
1004	Invalid ConsigneeApptID	Yes
1005	Invalid Multistop ID	Yes
1006	Duplicate Unique Container IDs	Yes
1007	Appt Type not supported by Consignee	No****
1008	Appt Type not supported by facility	No
1009	No slots available for that time / type – dock limit	Yes
1010	The volume requested for the following mail shape exceeded the maximum volume: <Mail Shape>	Yes*
1011	Web Services/Online Appointments must be scheduled at least 1 hour in advance	Yes*
1012	Appointments may only be scheduled up to 14 days in advance	Yes*
1013	Appt type limits exceeded	No
1014	Outside consignee defined timeframes for update/cancel	No**
1015	Update/cancel refused – appointment closed/canceled	Yes

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IDEAlliance Return Code Values		
Code	**Description**	**Supported?**
1016	Unrecognized Appointment – field combinations do not match consignee data (generic)	No
1017	Customer and Consignee Appointment ID do not correspond	Yes*
1018	Requested appt date/time is past	Yes
1019	Update/Cancel not allowed, past consignee editable time threshold	No**
1100	Mail.dat User License Code not supported by receiver	Yes
1101	Mail.dat Job ID not in consignee database	Yes
1102	Mail.dat DatabaseContainerID not in consignee database	Yes
1103	Mail.dat Verification Zip+4 not in consignee database	Yes
1200	News content is only valid when Mail Class is Periodicals	Yes*
1201	Perishable content is only valid when Mail Class is Package Services	Yes*
1202	Invalid Mail Shape/ Handling Unit combination	Yes
1203	In Home Start Date must be earlier than the In Home End Date	Yes*
1300	Mail Class not supported by Consignee	Yes
1301	Processing Category not supported by Consignee	Yes
1302	Presort Level not supported by Consignee	Yes
1303	Mail Class not supported by Facility	No
1304	Processing Category not supported by Facility	No
1305	Presort Level not supported by Facility	No
1306	Rate Type and Postal class are inconsistent.	Yes
1307	RateType Not Supported by Consignee	Yes ****
1400	Generic Update	No***
1401	Content Property Update	No***
1402	Content Change	No***
1403	ETA Update	No***
1404	Action Requested by Consignee	No***
1405	Delivery Appt Cancelled per request of consignee	Yes
1406	Product combined into another existing appointment	Yes
1407	Major change in expected delivery window	Yes
1408	Product not available	Yes
1409	Appt made in error – human error	Yes
1500	Invalid Tracking ID	Yes
1501	Tracking ID does not Match with Shipper	Yes
1502	Come Back Later	Yes*****
1503	InvalidRequestorSchedulerID for RequestorSchedulerCorpID	Yes
1504	InvalidRequestorSchedulerCorpID	Yes
1505	Appointment Closeout information unavailable	Yes

* - Indicates that the description listed is a more specific USPS description than what is outlined in the IDEAlliance specification.

** - Indicates that this specific code will not be returned but that either the 1011, 1012 or 3010 code will be returned instead, depending on what timeframe rule was violated.

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*** - These codes will not be stored or used to apply any business logic in the current USPS implementation.

**** - This specific code will not specifically be supported because the USPS Implementation supports all Appointment types outlined in the IDEAlliance specification. Therefore, if a request is received and contains an invalid Appointment type it will simply fail XSD validation and a Fault block will be returned.

**** - Indicates that this code will be returned if Package Services is sent in. The Rate Type Package Services will be supported by FAST in the future.

***** - This indicates Mailer need to come back again to get the response for the Tracking ID request. This code is returned on TM Spec 1.3 XSD and above.

NOTE: Error Codes 1405-1409 may be provided in the ReturnInfo block of a DeliveryApptCancelRequest, DeliveryApptShellCancelRequest or DeliveryContentCancelRequest to indicate the cancellation reason.

***PostalOne!* – FAST Return Code Values**	
Code	**Description**
3000	Scheduler ID is not valid
3001	Scheduled Appointment time must be scheduled on the hour
3002	Customer and Consignee Multistop ID do not correspond
3003	Perishable content is only valid when Processing Category (Mail Shape) is Machineable Parcel, Outside Parcel (Non-Machineable Parcel), or Irregular Parcel
3004	Optional Appointment Start Time must be before the Optional End Time
3005	Optional Appointment Start Time must be within 8 hours of the Optional End Time
3006	The time difference between the first and last appointment of a multi-stop must be within 24 hours
3007	Appointment date/time must be earlier than In Home Start Date
3008	Number of USPSSummary blocks exceeded maximum limit of 100
3009	A Speedline Appointment cannot have more than 6 pallet positions
3010	Appointments must be updated at least 1 hour in advance
3011	Facility does not accept drop shipments.
3012	An appointment with this Scheduler ID and Scheduler Appointment Request ID already exists
3013	Valid content count must be present for each USPS Summary block
314	You have experienced an error with the application. Please contact your FAST or Web Services system administrator for help
3015	A Pallet Appointment must have a Count of Pallets Containing Trays, Sacks, Bundles or Parcels
3016	Bedload and Drop and Pick Appointments may not have a Count of Pallets Containing Sacks, Trays, Bundles, or Parcels
3017	A Speedline Appointment may not have a Bedloaded Tray, Sack, Bundle or Parcel Count
3018	Default Facility: Error Message Format: <CIN Group> are not accepted at this facility. Please create an appointment at <NASS Code – Facility Name>. Error Message Example: Standard/Flats are not accepted at this facility. Please create an appointment at 100 – New

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***PostalOne!* – FAST Return Code Values**	
Code	**Description**
	York. Non-default Facility: Error Message Format: <CIN Group> are not accepted at this facility. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility. Error Message Example: Standard/Flats are not accepted at this facility. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.
3019	A Speedline Appointment cannot have more than 24 total pallets
3020	Application cannot get response for the given tracking ID (Refer Notes below)
3021	A USPSSummary type was not provided in any of the DetailInfo blocks (See Notes below)
3022	Invalid Mail Preparer ID
3023	Invalid Mail Owner ID
3024	Invalid Publication ID
3027	Update/cancel refused – content does not exist
3028	Invalid Mail Class for Appointment
3029	No update to Content made
3030	Publications only valid when Mail Class is Periodicals
3031	Invalid TM Spec Version
3032	Content may not be cancelled – appointment must have at least one content
3033	Invalid ConsigneeContentID
3034	Scheduler ID does not correspond to Scheduler ID for content
3035	Scheduler ID and Appointment ID do not correspond
3036	Facility ID and Appointment ID do not correspond
3037	Appointment may not be cancelled – appointment has associated content – please use the DeliveryApptCancelRequest message to cancel this appointment
3038	Invalid ConsigneeApptID – Appointment is not a Web Services appointment
3039	RecurringAppt block not supported by Consignee
3040	Update refused – may not change facility for this appointment – this appointment has associated content
3041	Web Services appointments/contents may not be cancelled greater than 24 hours past the appointment date/time
3042	Invalid TM Spec Version – Mailer not certified for TM Spec Version
3043	Content update/cancel refused – content was not created by a DeliveryContentCreateRequest message
3044	Invalid TM Spec Version – Appointment has been previously updated with a higher version
3045	Pallet Presort Level Counts must equal Pallet Level Counts
3046	Incorrect WSDL used to send TM2.0 Appointment Message
3047	A Drop and Pick Appointment Type may not be a Multi-Stop
3048	Invalid cancellation reason
3049	Scheduler for appointment must use the DeliveryApptUpdate message to add/update content(s)
3050	Invalid Unique Container ID – Container ID must be 21-digits and begin with 99M

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***PostalOne!* – FAST Return Code Values**	
Code	**Description**
3051	No content associated to appointment
3052	Mailer must provide FAST content ID on update using a DeliveryContentUpdateRequest or a DeliveryContentUpdateRequest Message
3053	NDC discount for Periodicals is only valid for cross-docked pallets
3055	Truck lengths <range> <truck length> ft are not accepted at <NASS Code - Facility Name>. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.
3056	Truck lengths <range> <truck length> ft are not accepted at <NASS Code - Facility Name>. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.
3057	No slots available for the requested time/type due to tiering
3058	Number of Pallet Positions must be specified when Appointment Type is Speedline
3059	Facility cannot be modified for recurring appointment instances.
3060	Effective Start Date must be 14 days in the future
3061	Effective Start Date must be before the Effective End Date
3062	Invalid Day Frequency/Week Frequency Combination. A Day Frequency of Daily must have a Week Frequency of Weekly
3063	eVS Indicator is only valid when Processing Category (Mail Shape) is Machineable Parcel, Outside Parcel (Non-Machineable Parcel), or Irregular Parcels
3064	eVS Indicator is only valid when Mail Class is Standard, Package Services or First-Class
3065	eFile Number is only valid when eVS Indicator is Yes
3066	The eFile Number must be 22 digits
3067	Priority Mail Indicator is only valid when Mail Class is First-Class
3068	<Pallet Type> is only valid when the Mail Class is First-Class
3069	Either the appointment ID or all of the following fields are required: scheduled induction date, logistic scheduler ID and logistic scheduler Corp ID
3070	Scheduled Induction Date cannot be in the past
3071	Invalid Logistic Scheduler ID
3072	Invalid Requestor Scheduler ID
3073	Invalid Requestor Scheduler Corp ID
3074	Invalid Requestor Scheduler ID for Requestor Scheduler Corp ID
3075	Invalid TM Spec Version - Content has been previously updated with a higher version
3076	Invalid Creator Scheduler ID for Creator Scheduler Corp ID
3077	Invalid Creator Scheduler Corporate ID
3078	Creator Scheduler ID is not valid
3079	Facility Locale Key is required for this message
3080	Invalid SchedulerContentID/ConsigneeContentID combination
3081	Update/Cancel refused: Content ID does not match specified Job ID, Database Container ID, User License Code, and Verification Zip+4
3082	ConsigneeApptID is required to update associated content
3083	Content has been previously associated to an appointment
3084	Invalid SchedulerID – Scheduler ID provided is not the Logistic Scheduler
3085	No more than 100 Contents may be associated to a single appointment
3086	The total volume of Bedload contents may not exceed 9999
3087	The total volume of Pallet, Hamper, APC/ERMC and Wire Container contents may not

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***PostalOne!* – FAST Return Code Values**	
Code	**Description**
	exceed 9999
3088	Invalid SchedulerContentID
3089	Appointment Time not within Facility hours of operation
3090	The only valid handling units for a First-Class Appointment are 1' Tray, 2' Tray, EMM Tray, Flat Tub, Parcels and Sacks
3091	Consignee does not accept First-Class appointments at this facility
3092	Unable to associate stand-alone content (ConsigneeContentID <Content ID>) - content cancelled
3093	Your search did not return any result
3094	A recurring appointment with this Scheduler ID and Shipper Appointment Request ID already exists.
3095	Effective End Date must not be greater than 12/31/2999
3096	Invalid Recurring Frequency
3098	The Priority Mail indicator is only valid on First-Class Contents
3099	At least 1 Pallet/Bedload count must be provided
3100	May not cancel/delete an online content(s)
3102	A one day In-Home Date Range may not be on a Sunday
3103	Invalid Logistic Scheduler Corp ID
3104	Invalid Logistic Scheduler ID for Logistic Scheduler Corp ID
3105	Full content replacement is only valid when the Consignee Appointment ID is provided
3106	Consignee does not support <Mail Class> for this message type.
3107	Update/Cancel Refused – Content is Closed/Cancelled
3108	Appointment cannot contain both drop ship and First-Class contents
3135	Update Refused - Mail Class cannot be modified. There is at least one <Mail Class> content associated to this appointment.
3136	May not cancel an appointment with Partial closeout information.
3139	A Speedline appointment that has Pallet Position Count of <total_pallet_positions> cannot have a total pallet count that is more than <total_pallets>
3140	A Content with this Scheduler ID and Scheduler Content Request ID already exists
3142	Scheduled Appointment time must be scheduled on 10-minute intervals
3144	The Optional Start and Optional End times must be scheduled on 10-minute intervals
3145	The Customer Registration ID cannot be authenticated at this time, please try again later.
3146	Submitting user Customer Registration ID is not affiliated with business entity in FAST.
3158	Invalid content for appointment.
3160	Web Services/Online Appointment Shells must be scheduled at least 24 hours in advance
3161	Appointment must have at least one content within 24 hours of the appointment date/time

NOTE:

- Return code 3018 refers to the Appointment Scheduling and Management Drop Ship Product Validation Process. The new functionality will provide online validation to verify if the selected facility can accept the mail contents on the requested appointment. FAST will utilize the drop ship product ZIP/CIN file. If an appointment passes the CIN group (mail class/mail shape

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combinations) validation, normal processing will continue as it does today; however, if it fails the CIN group validation, an error message or warning message will be displayed. The error message will notify the user of the type of content(s) that cannot be accepted at the specified facility and which facility those contents should be redirected to for processing. The warning message will notify the user that potential redirections may exist and provides additional facility information for the user to reference. In both cases, the user is provided a hyperlink to the 'facility profile – additional information' page to view specific redirections.

- Return code 3020 is used to indicate the application cannot get a response for this 'TrackingID'. The reason could be the Mailer is using the 'TrackingID' for which they have already obtained a response. This code is supported TMSpec XSD 1.3 and above. This is related to another code, 1502, which indicates the response is not available now and the Mailer needs to come back again later to get a response.
- Return code 3021 is used to indicate that the XML message does not contain any USPSSummary blocks in any of the DetailInfo blocks. USPSSummary blocks provide content information, and appointment create, update, and query messages cannot be processed without content information. Thus, at least one USPSSummary block must be present in at least one DetailInfo block.
- Return Codes 3022 and 3023 are used to validate that the Mail Preparer ID and any Mail Owner IDs are valid FAST Scheduler IDs.
- Return Codes 3025 and 3026 are not included because they are used for Mail.dat Recurring Content Notifications as Error Codes specific to this message type that FAST sends to the *PostalOne!* system that are.
- Return Code 3031 would be returned in a Fault Response.
- Return Code 3028 is used to indicate whether the mail class for a content is accepted for the appointment. When an appointment shell is created, the Scheduler indicates which Mail Classes are accepted for that appointment. When a DeliveryApptRequest or DeliveryApptUpdateRequest is made, only contents with the same mail class as existing contents for that appointment may be added using the DeliveryContent message request and update types.
- Return Code 3034 is used if a Scheduler who is not associated to the same corporation as the Scheduler who created the content attempts to update or cancel the content.
- Return Codes 3035 and 3036 are used to validate that the Scheduler ID and Facility ID match the Appointment ID given in a Delivery Content Query message.
- Return Code 3037 is returned if a DeliveryApptShellCancelRequest is sent to cancel an appointment that has associated content. The DeliveryApptCancelRequest should be used in this scenario.
- Return Code 3140 is only valid for Origin Entry appointments and contents
- Return Codes 3142 and 3144 are only applicable for Origin Entry appointment and recurring appointment scheduling.
- Return Code 3046 Mailers will receive this error messages if they used incorrect WSDL to send TM V2.0 Appointment messages.
- Return Code 3145 is used if the Customer Registration application is down.
- Return Code 3146 is used if the Mailer has not registered in FAST or not found in FAST database.
-

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***PostalOne!* – FAST Additional Return Code Values Supported for Mail.XML 6.0**	
Code	**Description**
3109	Invalid Customer Registration ID
3110	Content Cancel Refused - Content is associated to an Appointment
3111	Customer Registration ID is required
3112	Invalid Customer / Supplier Agreement ID for Customer Registration ID
3113	Full Contents Transfer is only applicable if there is only one Appointment that will be cancelled
3114	At least one content must be transferred when canceling multiple appointments
3115	Perishable content is not valid for Origin Entry appointments
3116	Your recurring appointment cannot start on {date} due to constraint limitations at this facility. Please work with the facility to schedule this recurring appointment
3117	The date range may not exceed 7 days
3118	The Start Time may not be in the past
3119	May not search for appointment slots more than 14 days after the current date
3120	An appointment cannot have both drop ship and Origin Entry content
3121	Delivery Content messaging does not support Origin Entry contents
3122	Invalid Customer Registration ID for Scheduler ID
3123	Facility cannot be modified for Recurring Appointment sequences.
3124	Submitting Party's Scheduler ID is required .
3125	Query Refused – {Recurring Appointment Sequence/Unscheduled Appointment/ Appointment Shell} querying is not supported in PartnerApptQueryRequest.
3126	Either the Submitting Party Scheduler ID or Customer Registration ID is required
3127	Invalid Submitting Party Scheduler ID
3128	A Recurring Origin Entry Appointment Sequence must have a Weekly Frequency of “Weekly”
3129	A Rate Type must be selected for Package Services content
3130	Invalid Customer / Supplier Agreement ID
3131	Update Refused - Mail Class cannot be modified. There is at least one <Mail Class> content associated to this appointment.
3132	ConsigneeApptID is required
3133	Scheduler cannot be modified for stand-alone contents
3134	May not create this appointment with the same appointment date and time as another appointment on the Multistop.
3137	Recurring appointments must span at least 7 days
3138	The effective end date of your appointment has been updated to be in sync with the drop entry dates of the facility and the resulting date range does not span at least 7 days.
3141	Effective Start Date must be at least 1 day in the future.
3143	The date range may not exceed 24 hours

***PostalOne!* – FAST Additional Return Code Values Supported for Mail.XML 8.0 B**	
Code	**Description**
3069	Either the appointment ID or the following fields are required: scheduled induction date, and either logistics scheduler CRID or both logistic scheduler ID and logistic scheduler Corp ID

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***PostalOne!* – FAST Additional Return Code Values Supported for Mail.XML 8.0 B**	
Code	**Description**
3147	Either the Customer Registration ID or both Scheduler ID and Scheduler Corporate ID is required.
3148	This Intelligent Mail Container Barcode has previously been associated to a Full-Service content.
3149	Invalid Logistics Customer Registration ID for Logistics Scheduler ID.
3150	Invalid Logistics Customer Registration ID.
3151	Either the Logistics Customer Registration ID or both Logistics Scheduler ID and Logistics Corporate ID is required.
3152	Package Services subtype is a required field for Origin Entry Package Service contents.
3153	Cannot update a drop ship appointment to only have Origin Entry contents.
3154	Cannot update an Origin Entry appointment to have drop ship content(s).
3155	Drop ship contents may not be associated to Origin Entry appointments.
3156	A drop ship appointment must have at least one drop ship Content.
3157	Content may not be cancelled-drop ship appointments must have at least one drop ship contents.
3159	Invalid Customer Registration ID for Corporate ID.

NOTE:

- Return Code 3147 is used if the Mailer only entered Scheduler ID or Scheduler Corporate ID.
- Return Code 3148 is used if the Mailer sends a duplicate container barcode that has previously been associated to a Full-Service content.
- Return Code 3149 is used if the Mailer uses a Customer Registration ID that is not associated to their Mailer in FAST.
- Return Code 3150 is used if the Mailer enters an invalid Logistics Customer Registration ID.
- Return Code 3151 is used if the Mailer only enters the Logistics Scheduler ID or only the Logistics Corporate Scheduler ID.

4.3.1 Updated Error and Warning messages

Code	Error Message	Spec
	ERROR MESSAGES	
3160	Web Services/Online Appointment Shells must be scheduled at least 24 hours in advance	All
3161	Appointment must have at least one content within 24 hours of the appointment date/time	All
3471	Contents may only be cancelled from the same appointment.	All
3501	Origin Entry contents may not be associated to Drop Ship appointments.	All
	WARNING MESSAGES	
4034	Update refused - Duplicate contents referenced in request.	All

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4.4 Drop Entry Point Warning Codes and Descriptions

The following CIN Warnings are returned in the ReturnInfo block of accept messages where they occur. This applies to the following message types:

- DeliveryApptCreateAccept Response
- DeliveryApptUpdateAccept Response
- DeliveryApptQuery Response
- DeliveryContentCreateAccept Response
- DeliveryContentUpdateAccept Response

***PostalOne!* – FAST Drop Entry Warnings Supported for Mail.XMLSpec Version 8.0B**		
Code	**Warning Description Text**	**Warning Explanation**
4000	Some < cin group > are accepted at this Facility. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If scheduling at a default facility that has a complete redirection, but not all discounts or ZIP Codes (in the case of Delivery Units) are redirected.
4001	Some < cin group > are redirected to < redirect facility >. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If scheduling at a redirect facility that has a complete redirection, but not all discounts or ZIP Codes (in the case of Delivery Units) are redirected.
4002	< CIN Group > are being redirected to < redirect facility >. The grace period ends <grace date>.	If scheduling at a default facility that has a complete redirection, but the default grace date of this redirection has not yet expired.
4003	< cin group > processing will no longer be performed at this facility. Please refer to the Mail Direction Search or Drop Ship Product for the correct accepting facility. The grace period ends <grace date>.	If scheduling at a redirect facility that has an expired complete redirection from a default, but that redirection is still in the grace period.
4004	This facility currently accepts <CIN Group>, however, on <redirection start date>; <CIN Group> will be redirected to <redirect facility>. Please adjust your appointments accordingly.	If scheduling at a default facility that currently has no complete redirections, but a new redirection will become active in 75 days or less
4005	Some < cin group > redirections to this facility expire before < date redirection expires >. Please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If scheduling at a redirect facility that currently has at least one redirection to it, but at least one of those redirections will expire in 75 days or less
4006	Truck lengths <range> <truck length> ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please create an appointment at <NASS Code – Facility Name>.	If scheduling at a default facility with a truck length that falls within the truck length redirection and the default grace date that has not yet expired.
4007	Truck lengths <range> <truck length> ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please create an appointment at <NASS Code – Facility Name>.	If an appointment is scheduled at a default facility where a truck length redirection exists and is not within the grace period and no truck length is provided for the appointment.

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***PostalOne!* – FAST Drop Entry Warnings Supported for Mail.XMLSpec Version 8.0B**		
Code	**Warning Description Text**	**Warning Explanation**
4008	Truck lengths <range> <truck length> ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If an appointment is scheduled at a redirect facility where a truck length redirection exists and it is within the grace period.
4009	Truck lengths <range> <truck length>ft are not accepted at <NASS Code – Facility Name>. If your truck length is <range> <truck length> ft, please refer to the Mail Direction Search Report or Drop Ship Product for the correct accepting facility.	If an appointment is scheduled at a redirect facility where a truck length redirection exists and it is not within the grace period and no truck length is provided for the appointment.
4010	BMC discount for Periodicals is only valid for cross-docked pallets.	If an appointment is scheduled for Palletized Periodicals for BMC discount.
4011	< cin group > processing will no longer be performed at this facility. Please refer to the Mail Direction Search or Drop Ship Product for the correct accepting facility. The grace period ends <grace date>.	If an appointment is scheduled at a default facility where the effective end date has expired but is still in the grace period.
4012	The Bill of Lading Number, Shipper Name and Vehicle ID will be updated for the following open appointments that are associated to multi-stop id <multi-stop id>: <appointment id list>.	If a leg of a multi-stop appointment is created or updated, and either the Bill of Lading Number, Shipper Name or Vehicle ID is different from the existing corresponding fields for the multi-stop appointment, then this warning will appear.
4013	Your recurring appointment request has been successfully created. An email notification of the request has been sent to the facility for review. After review, an email response will be sent to you	If a recurring appointment sequence is updated in such a way that a pending request is created (e.g. content or logistics updated on a recurring appointment sequence which is not pure Periodicals.)
4014	Your recurring appointment has been successfully updated. An informational email notification of the approved request has been sent to the facility and the scheduler	If a recurring appointment sequence is updated and auto-approved (e.g. content or logistics updated on a recurring appointment sequence that is pure Periodicals.)
4015	This recurring sequence is pending facility approval	If a pending recurring appointment sequence request is returned in a RecurringApptQueryResponseResponse.
4017	Your recurring appointment has been successfully created. Your recurring appointment currently has no contents. Appointments will not be generated for this Recurring Appointment while there are no contents.	If a recurring appointment sequence is created/updated and there is no associated content.
4018	The requested appointment date and time and in-home date are not in accord with USPS service standards. A shipment with a one day in-home date claiming a NDC discount must be scheduled to arrive by 16:00, five (5) days prior to the specified in-home date.	If standard content has an in-home date range of one day and is being scheduled at a facility that accepts NDC Standard mail.

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***PostalOne!* – FAST Drop Entry Warnings Supported for Mail.XMLSpec Version 8.0B**		
Code	**Warning Description Text**	**Warning Explanation**
4019	The requested appointment date and time and in-home date are not in accord with USPS service standards. A shipment with a one day in-home date claiming a SCF discount must be scheduled to arrive by 16:00, three (3) days prior to the specified in-home date	If standard content has an in-home date range of one day and is being scheduled at a facility that accepts SCF Standard mail.
4020	The requested appointment date and time and in-home dates are not in accord with USPS service standards. A shipment with an in-home date range claiming a NDC discount must be scheduled to arrive by 16:00, five (5) days prior to the second day of the in-home date range.	If standard content has an in-home date range of more than one day and is being scheduled at a facility that accepts NDC Standard mail.
4021	The requested appointment date and time and in-home dates are not in accord with USPS service standards. A shipment with an in-home date range claiming a SCF discount must be scheduled to arrive by 16:00, three (3) days prior to the second day of the in-home date range.	If standard content has an in-home date range of more than one day and is being scheduled at a facility that accepts SCF Standard mail.

The following warnings are returned in the ReturnInfo block of accept messages where they occur. This applies to the following message types:

- DeliveryApptCancelCreateResponse
- DeliveryApptCreateAcceptResponse
- DeliveryApptUpdateAcceptResponse
- DeliveryApptQueryResponse

***PostalOne!* – FAST Warnings Supported for Mail.XML 8.0B**		
Code	**Warning Description Text**	**Warning Explanation**
4022	Content was not cancelled – it is past the editable time threshold. However, containers for the specified contents have been released for scheduling in other appointments.	If attempting to cancel an appointment and containers less than one hour before the scheduled appointment date/time, or after the scheduled appointment date/time.
4023	Your recurring appointment cannot start on {date} due to constraint limitations. Your recurring appointment will now begin on {date}.	If scheduling at a facility where constraint limitations prevent the instances from beginning on the recurring appointment sequence start date.
4024	In Home Dates are not applicable to Recurring Appointment Series	If including in-home dates when creating/updating a recurring appointment, this warning message will be returned
4025	Appointment <appointment ID> cannot be cancelled, past appointment editable time threshold. Contents/containers of the appointment has been cancelled for scheduling in other appointments.	If attempting to cancel an appointment and containers less than one hour before the scheduled appointment date/time, or after the scheduled appointment date/time.
4026	Your recurring appointment has been successfully created. An informational email	If a recurring drop ship appointment is created via a Delivery Appointment Create

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***PostalOne!* – FAST Warnings Supported for Mail.XML 8.0B**		
Code	**Warning Description Text**	**Warning Explanation**
	notification of the approved request has been sent to the facility and the scheduler	Request message.
4027	Your search did not return any results	If a query message does not return search results.
4028	The effective end date of your appointment has been updated to be in sync with the drop entry dates of the facility. The new effective end date is <DATE>. Please see the Mail Direction Search for more details.	If the effective end date of a drop shipment recurring appointment is automatically adjusted to be in sync with redirection dates.
4029	Warning! If you have a CSA at your old facility, please verify if your CSA is still valid.	If an Origin Entry recurring appointment is updated to be scheduled at a different facility than where it was created.

***PostalOne!* – FAST Warnings Supported for Mail.XML 8.0B**		
Code	**Warning Description Text**	**Warning Explanation**
4030	This Intelligent Mail Container Barcode has previously been associated to a non-Full-Service content.	When attempting to associate an Intelligent Mail Container Barcode that has previously been associated to a non-Full-Service content.

Please note that any error or warning messages listed above will be limited to the acceptable field lengths provided in the Mail.XML Specification. This could cause a message to be truncated if it exceeds the acceptable field length.

4.5 Fault Codes

Faults, such as a message timeout or invalid XML are to be communicated using the <fault element and returned within the detail section of the SOAP fault. The fault is made up of a tracking ID and one or more fault codes and optional fault descriptions.

Below is the list of fault codes that are applicable to all Mail.XML messages, they are sent whenever a fault occurs in the transmission of the message.

Code	Description	Messages
314	Generic Error code	Fault (All Mail.XML Messages)
402	Not Well Formed XML	Fault (All Mail.XML Messages)
403	Validation Failure – {specific error message thrown by parser}	Fault (All Mail.XML Messages)
412	Unauthorized – Required SubmittingParty	Fault (All Mail.XML Messages)
412	Unauthorized – User does not have access to specified SubmittingParty	Fault (All Mail.XML Messages)
412	Unauthorized – User does not have access to “Manage Mailing Activity” service	Fault (All Mail.XML Messages)

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412	Unauthorized - Invalid user ID	Fault (All Mail.XML Messages)
412	Unauthorized - Invalid user password	Fault (All Mail.XML Messages)
412	Unauthorized - Account disabled	Fault (All Mail.XML Messages)
412	Unauthorized - Maximum password retries reached	Fault (All Mail.XML Messages)
412	Unauthorized - Profile not found	Fault (All Mail.XML Messages)
440	Sorry - Mail.XML version is not supported	Fault (All Mail.XML Messages)
500	Generic Internal Responder Error	Fault (All Mail.XML Messages)
500	Your request has been accepted for processing by USPS. Use the attached Tracking ID with a MessageResponseRetrievalRequest message to get the status of your request.	Fault (All Mail.XML Messages)
503	Not Implemented - Mail.XML message received is not supported (MessageName)	Fault (All Mail.XML Messages)

4.6 Web Service Additional Constraints

In addition to conforming to everything stated in the WSDL file, all XML inputs to the Appointment Services operations must qualify the XML elements and attributes with their associated namespace. As an example, following is a good ApptResponseRetrieval input message to the operation RetrieveAppointmentResponses:

4.7 Message Response Retrieval Request Processing

The *PostalOne!* system will generate the response to a MessageResponseRetrievalRequest (MRRR) for Mail.XML 6.0Drequests and ApptResponseRetrievalRequest (ARRR) for Mail.XML 8.0Brequests.

The *PostalOne!* system will provide the Web Services users with the capability to re-request message responses using the generated Tracking IDs multiple times with a MRRR within 30 days of initial response receipt from FAST. The *PostalOne!* system will provide the users with the latest response from FAST if there are multiple appointment responses for the same TrackingID. The following messages will be supported in the Message Response Retrieval Request processing:

- CustomerSupplierAgreementQueryResponse
- DeliveryApptQueryResponse
- DeliveryApptCreateResponse
- DeliveryApptCancelResponse
- DeliveryApptCancelCreateResponse
- DeliveryApptUpdateResponse
- DeliveryApptShellCreateResponse
- DeliveryApptShellUpdateResponse
- DeliveryContentCreateResponse
- DeliveryContentUpdateResponse
- DeliveryContentCancelResponse

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- DeliveryContentQueryResponse
- Fault
- RecurringApptQueryResponse
- AllApptCloseoutResponse
- PartnerApptQueryResponse

4.8 *PostalOne!* WSDL Information

All web services transactions that are made with the USPS should comply with the WSDL specification that are posted on RIBBS® and can be downloaded from the following location:
http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/xmlspec/wsdls/wsdls.htm

A web services request must include a valid and active USPS User ID and Password as defined in the UserAuthenticationInfo.xsd file that is provided as part of the WSDL downloable files. A typical web service message construct defined is as follows:

```
<wsdl:message name="DeliveryContentUpdateRequest">
        <wsdl:part name="authInfo" element="auth:AuthenticationInfo"/>
        <wsdl:part name="apptContentUpdate" element="tns:apptContentUpdate"/>
</wsdl:message>
```

With the following

String-typed WSDL:

```
        <wsdl:message name="StartTheClockQueryRequest">
                <wsdl:part element="auth:AuthenticationInfo" name="authInfo"/>
                <wsdl:part element="tns:startTheClockQuery" name="startTheClockQuery"/>
        </wsdl:message>
```

XSD-typed WSDL:

```
        <wsdl:message name="FullServiceStartTheClockQueryRequest">
                <wsdl:part element="uspsmxml:FullServiceStartTheClockQueryRequest"
                name="FullServiceStartTheClockQueryRequest"/>
        </wsdl:message>
```

USPS will validate and authenticate the user information before processing the request. An error message will be returned in response to the web service request for invalid user information.

Types of WSDLS

There are two types of WSDLs approach i.e. String-Type WSDL and Message-Type WSDL. Following is basic information on each of the WSDL type to help customer understand what are the advantages and disadvantages of consuming String Vs. Message Type WSDL:

- **Consuming String-Type WSDLs:**

  This method is more generalized, in which customer needs to manually register each message type and register all services in their environment to later use for invoking the remote service. This is a manual process and cannot be automated easily, which is the major disadvantage of using this method. The advantage is that one string type WSDL can be used for any versions of Mail.XML but they need to be manually registered in the code. The USPS is keeping this string

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type until Mail.XML 9.0X implementation. After Mail.XML 9.0X implementation, USPS will move strictly to the Message-Type WSDLs to help the industry.

- **Consuming Message-Type WSDLs:**

  This method eliminates the need of manually registering each service and message type in their environment. With this method - customer can use automated tool that can setup their environment without the hassle of manually registering each service. However, this approach requires updates to WSDLs every time a new Mail.XML version is released. In other words, it is tightly coupled with the Mail.XML Specification Version. The USPS is transitioning to this type of Message WSDLs to help the industry remove manual editing and registering of messages. USPS will stop supporting String-Type WSDLs post Mail.XML 9.0 release, so we recommend everyone in the industry to make plans to move to the message Type WSDLs.

The customer must use either string-type or message-type URL to consume the services. These URL's are provided in Appendix C.

4.9 SchedulerContent ID

The *PostalOne!* system (Mail.XML Web Services) will generate SchedulerContent ID only if the mailer has set the 'IncludeInSummarizationblock' to 'No'. Mail.XML Web Services will generate the USPS Summary Block and reference Scheduler Content ID. The Scheduler Content ID will be an alphanumeric of the format P###... (P and a sequence number containing up to 11 digits). The prefixing is used to inform FAST that this Scheduler Content ID has been generated by Mail.XML Web Services. Customer will be provided an up to 12-digit number if they are populating this information in the appointment message.

4.10 Closeout Messages

FAST will generate closeout messages for each appointment. The Mail.XML version used to generate the message will be determined as follows:

Closeout messages will be generated by FAST using the latest version used to create or update the appointment. If the latest specification version used to create or update the appointment is no longer supported, the latest supported version for which the scheduler is approved will be used for the closeout message. By the release of the Full-Service program, the latest supported version of Mail.XML is Mail.XML 10.0. For example, if an appointment was created using Mail.XML 8.0B, then updated using Mail.XML 10.0, the ConsigneeGoodsReceipt will be generated using Mail.XML 10.0. If an appointment is created/updated using Mail.XML 8.0B and never updated using Mail.XML 10.0, the ConsigneeGoodsReceipt will be generated using Mail.XML 8.0B.

As a part of the Mail.XML 8.0B, If the scheduler has completed testing for Mail.XML 8.0, the ConsigneeGoodsReceipt will be generated using Mail.XML 8.0. If the scheduler has completed testing for Mail.XML 4.0, Mail.XML 6.0, and Mail.XML 8.0, the ConsigneeGoodsReceipt will be generated using highest certified Mail.XML. Additionally, as part of the Mail.XML 8.0B integration, Mail Owners and Mail Preparers that have completed testing for Mail.XML 8.0B or a newer Mail.XML specification will receive ConsigneeGoodsReceipt messages for appointments with which they are associated. Messages sent to Mail Owners and Mail Preparers will be sent using the most current Mail.XML specification the Mail Owner or Mail Preparer has used for completing tests.

Closeout messages for unscheduled appointments will be generated using the latest supported version of Mail.XML for which the scheduler has completed testing. For example, if the scheduler has completed testing for Mail.XML 8.0B, the UnscheduledConsigneeGoodsReceipt will be generated using Mail.XML 8.0B. If the scheduler has completed testing for Mail.XML 10.0, the

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UnscheduledConsigneeGoodsReceipt will be generated using Mail.XML 10.0. If the scheduler has completed testing for both Mail.XML 8.0B the UnscheduledConsigneeGoodsReceipt will be generated using Mail.XML 10.0.

As a part of the Mail.XML 8.0B Integration release, If the scheduler has completed testing for Mail.XML 8.0, the UnscheduledConsigneeGoodsReceipt will be generated using Mail.XML 8.0. If the scheduler has completed testing for Mail.XML 4.0, Mail.XML 6.0, and Mail.XML 8.0, the UnscheduledConsigneeGoodsReceipt will be generated using highest certified Mail.XML.

The total number of 'consignee goods receipt' and 'unscheduled consignee good receipts' included in a closeout response is currently set to a maximum of 200 messages per response.

How Closeout Data for MailOwner and MailPreparer is Disseminated?

Currently mail owner and mail preparer, if they are not the scheduler of the appointment, can only get the close out data of the appointment if they are identified as the mail owner and or preparer of the content, which belongs to the appointment.

Identifying Mail Owner and Mail Preparer in Appointment Messages

The Mail Owner can be identified in the appointment create and update messages in the USPSContainerInfo block of Pallets block of USPSSummary block of DetailInfo of the DeliveryApptCreateRequest and DeliveryApptUpdateRequest messages.

The Mail Preparer can be identified in USPSSummary block of DetailInfo Block of DeliveryApptCreateRequest and DeliveryApptUpdateRequest messages.

Identifying Mail Owner and Mail Preparer in Content Messages

The Mail Owner can be identified in the content create and update messages in the USPSContainerInfo block of Pallets block of ContentUSPSSummary block of ContentDetailInfo block of DeliveryContentCreateRequest and DeliveryContentUpdateRequest messages.

The Mail Preparer can be identified in the ContentUSPSSummary block of ContentDetailInfo block of DeliveryContentCreateRequest and DeliveryContentUpdateRequest messages.

Please note that the ContentDetailInfo block is named as "ContentDetailInfoUpdate" block in the DeliveryApptUpdateRequest message.

Scheduler ID and CRID are the valid IDs allowed to Identify MailOwner and MailPreparer

Scheduler or content provider can provide the Scheduler ID OR CRID of Mail Owner and/or Mail Preparer in the above mentioned elements used for identifying mail owner and mail preparer.

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4.11 Appointment Shell Cancellation Messages

FAST will support the cancellation of Appointment Shells using both the Delivery Appointment Shell Cancel Request message and Delivery Appointment Cancellation Request Message, Additionally, Appointments with contents can be cancelled using both the Delivery Appointment Shell Cancel Request message and the Delivery Appointment Cancellation Request Message. Recurring appointment shells can only be cancelled using the Delivery Appointment Shell Cancel request.

4.12 *PostalOne!* - FAST Web Services Authentication:

- Following the March 2010 release, *PostalOne!* will only provide username and password validation for Web Services messages sent to FAST. *PostalOne!* will set the CRID of the user identified by the username and password in the JMS header of FAST-supported messages. FAST shall authenticate the user CRID is associated to the Scheduler ID or Scheduler CRID from the header of the message. FAST will support Submitting Party-based security, identified in Mail.XML 6.0D and Mail.XML 8.0B for the messages listed below. Requestor attributes are replaced by the Submitting Party block for Mail.XML 6.0D and Mail.XML 8.0B. All other messages sent to FAST will continue to support the existing SchedulerID/SchedulerCorpID/SchedulerCRID authentication in the Submitting Party block by the FAST *system* for the DeliveryContentQueryRequest message.
- SchedulerID and/or Scheduler CRID in the Submitting Party block will be authenticated by FAST for the RecurringApptQueryRequest message.
- SchedulerID and/or Scheduler CRID in the Submitting Party block will be authenticated by FAST for the PartnerApptQueryRequest message
- SchedulerID and/or Scheduler CRID in the Submitting Party block will be authenticated by FAST for the CustomerSupplierAgreementQueryRequest message.

FAST shall validate the user CRID is associated with the SchedulerID and CRID (if provided) for the FAST Business Service against in the Customer Registration system for the following messages:

- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentCreateRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentUpdateRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentCancelRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentQueryRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentCancelCreate message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryContentCreateRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryContentUpdateRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryContentCancelRequest message.

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- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentShellCreateRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentShellUpdateRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the DeliveryAppointmentShellCancelRequest message.
- CreatorSchedulerID/CreatorSchedulerCorpId and/or CreatorSchedulerCRID in the message header will be authenticated by FAST for the RecurringApptQueryRequest message.
- SchedulerID/SchedulerCorpId and/or SchedulerCRID in the message header will be authenticated by FAST for the PartnerApptQueryRequest message.

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5. Appendix A - Mail.XML 8.0B FAST Complex Types Data Structures

In this Appendix D, the Complex Types data structure for Mail.XML 8.0 for FAST messages have been derived from the XSD specification.

5.1 Complex Type: ActualBedLoadType

Provides the actual count and actual percentage for a FAST bedload value

Mail.XML 8.0B - Complex Type: ActualBedLoadType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: ActualBedLoadType				
HandlingUnit	String		Required (Attribute)	
ActualBedloadPercent	nonNegativeInteger		Required	
ActualBedloadCount	nonNegativeInteger		Required	

5.2 Complex Type: actualPalletType

Provides the actual count and actual percentage for a FAST pallet value

Mail.XML 8.0B - Complex Type: actualPalletType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: actualPalletType				
HandlingUnit	String		Required (Attribute)	
ActualBedloadPercent	nonNegativeInteger		Required	
ActualBedloadCount	nonNegativeInteger		Required	

5.3 Complex Type: apptBlockGoodsType

ApptBlockGoodsType block is a block that FAST shall send all the closeout information of the appointment to *PostalOne!*

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Mail.XML 8.0B - Complex Type: apptBlockGoodsType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: apptBlockGoodsType				
MailClass	1 to Many		Required	
ScheduledConsigneeFacility	String		Required	
ActualConsigneeFacility	String		Optional	
ScheduledAppt	DateTime	YYYY-MM-DDTHH:MM:SS	Required	
ActualTruckArrival	DateTime	YYYY-MM-DDTHH:MM:SS	Optional	
ActualStartUnload	DateTime	YYYY-MM-DDTHH:MM:SS	Optional	
ActualEndUnload	DateTime	YYYY-MM-DDTHH:MM:SS	Optional	
ApptStatus	String		Required	
ApptMethod	String		Required	
USPSDetail	String, Complex Type		Optional, refer to USPSDetailType	
VerificationLocation	String		Optional	
TransportationMethod	String		Optional	
ActualTotalPalletCount	nonNegativeInteger		Optional	
ActualPalletCount	0 to many, Complex Type		Optional, refer to ActualPalletCountType	
EvsSamplingTime	DateTime	YYYY-MM-DDTHH:MM:SS	Optional	
EFileSamplingTime	0 to many, Complex Type		Optional, refer to EFileSamplingTimeType	
Irregularities	0 to many		Optional	
ActualBedload	0 to many, Complex Type		Optional, refer to ActualBedloadType	
ExemptionCode	0 to many		Optional	

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5.4 Complex Type: apptBlockRequestType

ApptBlockRequestType is a block that contains several blocks with septic information for scheduling an appointment in FAST.

Mail.XML 8.0B - Complex Type: apptBlockRequestType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: apptBlockRequestType				
ConsigneeFacility	1 to Many, Complex Type		Required, refer to ConsigneeFacilityType	
PreferredAppt	String		Required	
OptionalAppt	String, Complex Type		Optional, refer to OptionalApptType	
Comment	DateTime	YYYY-MM-DDTHH:MM:SS	Required	

5.5 Complex Type: apptBlockUnscheduledGoodsType

ApptBlockUnscheduledGoodsType is a block that returns the unscheduled appointment to *PostalOne!*

Mail.XML 8.0B - Complex Type: apptBlockUnscheduledGoodsType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: apptBlockUnscheduledGoodsType				
MailClass	1 to Many		Required	
ActualConsigneeFacility	String, Complex Type		Required, refer to ActualConsigneeFacilityType	
ActualTruckArrival	DateTime	YYYY-MM-DDTHH:MM:SS	Optional	
ActualStartUnload	DateTime	YYYY-MM-DDTHH:MM:SS	Optional	
ActualEndUnload	DateTime	YYYY-MM-	Optional	

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Mail.XML 8.0B - Complex Type: apptBlockUnscheduledGoodsType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
		DDTHH:MM:SS		
ApptStatus	String		Required	
Irregularities	0 to Many		Optional	
ActualBedload	0 to Many, Complex Type		Optional, refer to ActualBedloadType	
ActualTotalPalletCount	nonNegativeInteger		Optional	
ActualPalletCount	0 to Many, Complex Type		Optional, refer to ActualPalletType	

5.6 Complex Type: availableHourType

AvailableHourType block is a block that provides specific information about available date/time for scheduling appointments at the facility requested.

Mail.XML 8.0B - Complex Type: availableHourType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: availableHourType				
PreferredAppt	DateTime	YYYY-MM-DDTHH:MM:SS	Optional (attribute)	
AvailableSlots	String, 2 characters		Required (attribute)	

5.7 Complex Type: availableSlotType

AvailableSlotType block is a block that provides specific information about available date/time for scheduling appointments at the facility requested.

Mail.XML 8.0B - Complex Type: availableSlotType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: availableSlotType				
MailClass	1 to Many		Required	
Perishable	String		Optional	
AvailableHours	String, Complex Type		Required, refer to AvailableHoursType	

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5.8 Complex Type: bedloadHandlingUnitType

BedloadHandlingUnitType provides the specific presort level count of bedload for each content when scheduling the appointment in FAST.

Mail.XML 8.0B - Complex Type: bedloadHandlingUnitType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: bedloadHandlingUnitType				
PreSortLevel	0 to Many, Complex Type		Optional, refer to presortType	
Count	nonNegativeInteger		Required (attribute)	

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5.9 Complex Type: bedloadUnitType

BedloadUnitType is a block that provides specific information for the handling unit and type for bedload content.

Mail.XML 8.0B - Complex Type: bedloadUnitType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: bedloadUnitType				
USPSContainerInfo	0 to Many, Complex Type		Optional, refer to USPSContainerInfoType	
Sacks	String, Complex Type		Required, refer to bedloadHandlingUnitType	
Trays	String, Complex Type		Required, refer to trayHandlingUnitType	
Parcels	String, Complex Type		Required, refer to bedloadHandlingUnitType	
Bundles	String, Complex Type		Required, refer to bedloadHandlingUnitType	

5.10 Complex Type: carrierType

CarrierType is a block that contains information for the carrier or transporter of the mail.

Mail.XML 8.0B - Complex Type: carrierType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: carrierType				
CarrierName	String, 40 characters		Required	

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Mail.XML 8.0B - Complex Type: carrierType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
CarrierAddress	String, Complex Type		Optional, refer to addressType	
URL	String		Optional	
CommonContact	String, 0 to Many, Complex Type		Optional, refer to CommonContactType	

5.11 Complex Type: consigneeFacilityType

ConsigneeFacilityType is a block that provides Facility information where mailers should drop their mail.

Mail.XML 8.0B - Complex Type: consigneeFacilityType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: consigneeFacilityType				
CompanyName	String, 40 characters		Required	
FacilityNumber	String, 15 characters		Required	
FacilityAddress	String, Complex Type		Optional, refer to AddressType	
FacilityAddress	String, Complex Type		Required, refer to AddressType	
FacilityName	String, 40 characters		Optional	
FacilityType	String, 15 characters		Optional	
URL	String		Optional	
CommonContact	0 to Many, Complex Type		Optional, refer to CommonContactType	

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5.12 Complex Type: contentCancelType

ContentCancelType is a block that provides specific content information to cancel the unwanted contents.

Mail.XML 8.0B - Complex Type: contentCancelType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: contentCancelType				
SchedulerContentID	String, 12 characters		Required (attribute)	
ConsigneeContentID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Optional (attribute)	
ReturnInfo	String, Complex Type		Optional, refer to optReturnInfoType	

5.13 Complex Type: contentDetailInfoType

ContentDetailInfoType is a block that contains several blocks of information including a block for content information in FAST.

Mail.XML 8.0B - Complex Type: contentDetailInfoType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: contentDetailInfoType				
LogisticsSchedulerID	String, 12 characters		Optional (attribute)	
LogisticsCorpID	String, 12 characters		Optional (attribute)	
LogisticsSchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperContainerGroupingID	String, 16 characters		Optional	
ConsigneeContainerGroupingID	String, 16 characters		Optional	
ShipperGroupingIDDescription	String, 50 characters		Optional	
ScheduledInductionDate	Date	YYYY-MM-DD	Optional	

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Mail.XML 8.0B - Complex Type: contentDetailInfoType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
MailDatSummary	String, Complex Type		Required, refer to MailDatSummaryType	
ContentUSPSSummary	String, Complex Type		Required, refer to ContentUSPSSummary	

5.14 Complex Type: contentDetailInfoUpdateType

ContentDetailInfoUpdateType is a block that contains several blocks with specific information to update a content.

Mail.XML 8.0B - Complex Type: contentDetailInfoUpdateType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: contentDetailInfoUpdateType				
LogisticsSchedulerID	String, 12 characters		Optional (attribute)	
LogisticsCorpID	String, 12 characters		Optional (attribute)	
LogisticsSchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperContainerGroupingID	String, 16 characters		Optional	
ConsigneeContainerGroupingID	String, 16 characters		Optional	
ShipperGroupingIDDescription	String, 50 characters		Optional	
ScheduledInductionDate	Date	YYYY-MM-DD	Optional	
MailDatSummary	String, Complex Type		Required, refer to MailDatSummaryType	
ContentUSPSSummary	String, Complex Type		Required, refer to ContentUSPSSummary	

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5.15 Complex Type: contentUspsSummaryUpdateType

ContentUspsSummaryUpdateType is a block that contains specific information and other blocks for a content when scheduling an appointment in FAST.

Mail.XML 8.0B - Complex Type: contentUspsSummaryUpdateType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: contentUspsSummaryUpdateType				
SchedulerContentID	String, 12 characters		Required (attribute)	
ConsigneeContentID	String. 12 characters		Optional (attribute)	
DestinationDiscountIndicator	String		Required	
ZoneSkippingIndicator	String		Optional	
FullServiceIndicator	String		Optional	New field
Pallets	String, Complex Type		Optional, refer to palletUnitType	
Bedload	String, Complex Type		Optional, refer to bedloadUnitType	
Perishable	String		Required	
MailClass	String		Required	
RateType	String		Optional	
InHomeStart	dateTime	YYYY-MM-DDTHH:MM:SS	Optional	
InHomeEnd	dateTime	YYYY-MM-DDTHH:MM:SS	Optional	
ProcessingCategory	String		Required	
PriorityMailIndicator	String		Required	
VerificationLocation	String		Required	
NewsIndicator	String		Required	
EvsIndicator	String		Optional	
MailContentName	String, 30 characters		Optional	
MailPreparerID	String, 12 characters		Optional	
AdvanceMailingID	String, 9 characters		Optional	
EFileNumber	String, 22 characters		Optional	
ContainsAutoMail	String		Optional	

Complex Type: deliveryApptAcceptType

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DeliveryApptAcceptType is a successful response block that returns the accepted appointment information to the sender of the message.

Field	Format	Acceptable Values	Business Rules	Comments
Complex Type: deliveryApptAcceptType				
ResponseMsgHeaderInfo				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	
PalletPositionCount	String, 2 characters		Optional (attribute)	
ResponseMsgHeaderInfo ends				
RecurringAppt	String, Complex Type		Required, refer to Recurring ApptType	
OneTimeAppt	String, Complex Type		Required, refer to OneTime ApptType	
Comment	String, 256 characters		Optional	
TrailerInfo	String, Complex Type		Optional, refer to TrailerInfo Type	
ConsigneeFacility	String, Complex Type		Required, refer to ConsigneeFacilityType	

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Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ReturnInfo	String, Complex Type		Optional, refer to ReturnInfo Type	

5.16 Complex Type: deliveryApptContentRemoveRejectType

DeliveryApptContentRemoveRejectType is a reject response that contains septic content information and the reason for rejection.

Mail.XML 8.0B - Complex Type: deliveryApptContentRemoveRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryApptContentRemoveRejectType				
ContentID	String, Complex Type		Required, refer to ContentID Type	
ReturnInfo	String, Complex Type		Required, refer to basicReturnInfoType	

5.17 Complex Type: deliveryApptRejectType

DeliveryApptRejectType is a reject response block that includes the appointment information and reject reason(s) to the sender of the message

Mail.XML 8.0B - Complex Type: deliveryApptRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryApptRejectType				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	

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Mail.XML 8.0B - Complex Type: deliveryApptRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	
PalletPositionCount	String, 2 characters		Optional (attribute)	
ReturnInfo	String, Complex Type		Optional, refer to ReturnInfo Type	

5.18 Complex Type: deliveryApptShellAcceptType

DeliveryApptShellAcceptType is a successful response block with the appointment shell information that returns to the sender of the message.

Mail.XML 8.0B - Complex Type: deliveryApptShellAcceptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryApptShellAcceptType				
ReturnInfo	String, Complex Type		Required, refer to basicReturnInfoType	
RequestMsgHeaderInfo				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	

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Mail.XML 8.0B - Complex Type: deliveryApptShellAcceptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	
PalletPositionCount	String, 2 characters		Optional (attribute)	
ResponseMsgHeaderInfo ends				
ConsigneeFacility	String, Complex Type		Required, refer to ConsigneeFacilityType	
RecurringAppt	String, Complex Type		Required, refer to RecurringApptType	
OneTimeAppt	String, Complex Type		Required, refer to OneTimeApptType	
TrailerInfo	String, Complex Type		Optional, refer to TrailerInfo Type	
MailClass	String, 1 to many		Required	

5.19 Complex Type: deliveryApptShellCancelResponseType

DeliveryApptShellCancelResponseType is a block that contains the appointment information to cancel the unwanted appointment.

Mail.XML 8.0B - Complex Type: deliveryApptShellCancelResponseType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryApptShellCancelResponseType				
DeliveryApptCancelAccept Block begins				
ResponseMsgHeaderInfo				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	

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Mail.XML 8.0B - Complex Type: deliveryApptShellCancelResponseType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	
PalletPositionCount	String, 2 characters		Optional (attribute)	
ResponseMsgHeaderInfo ends	String, 12 characters		Required	
CancelConfirmID				
DeliveryApptCancelReject Block begins				
ResponseMsgHeaderInfo				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	
PalletPositionCount	String, 2 characters		Optional (attribute)	
ResponseMsgHeaderInfo ends	String, 12 characters		Required	
ReturnInfo	String, Complex Type		Required, refer to basicReturnInfoType	

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5.20 Complex Type: deliveryApptShellRejectType

DeliveryApptShellRejectType is a reject response block with the appointment information and reject reason(s) that returns to the sender of the message.

Mail.XML 8.0B - Complex Type: deliveryApptShellRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryApptShellRejectType				
RequestMsgHeaderInfo				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	
PalletPositionCount	String, 2 characters		Optional (attribute)	
RequestMsgHeaderInfo ends				
ReturnInfo	String, Complex Type		Required, refer to basicReturnInfoType	

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5.21 Complex Type: deliveryApptUpdateAcceptType

DeliveryApptUpdateAcceptType is a successful response block that contains several blocks with specific appointment information for updating the appointment.

Mail.XML 8.0B - Complex Type: deliveryApptUpdateAcceptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryApptUpdateAcceptType				
ResponseMsgHeaderInfo				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	
PalletPositionCount	String, 2 characters		Optional (attribute)	
ResponseMsgHeaderInfo ends				
RecurringAppt	String, Complex Type		Required, refer to Recurring ApptType	
OneTimeAppt	String, Complex Type		Required, refer to OneTime ApptType	
DetailInfo	String, Complex Type		Required, refer to DetailInfo Type	
TrailerInfo	String, Complex Type		Optional, refer to	

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Mail.XML 8.0B - Complex Type: deliveryApptUpdateAcceptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
			TrailerInfoType	
ConsigneeFacility	String, Complex Type		Required, refer to ConsigneeFacilityType	
Comment	String, 256 characters		Optional	
ReturnInfo	String, Complex Type		Optional, refer to ReturnInfoType	

5.22 Complex Type: deliveryApptUpdateRejectType

DeliveryApptUpdateRejectType is a reject response block that contains several blocks with specific appointment information and the reject reason(s) for updating the appointment

Mail.XML 8.0B - Complex Type: deliveryApptUpdateRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryApptUpdateRejectType				
RequestMsgHeaderInfo				
ShipperApptRequestID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ShipperMultiStopID	String, 12 characters		Optional (attribute)	
ConsigneeMultiStopID	String, 12 characters		Optional (attribute)	
ShipperStopNumber	String, 6 characters		Optional (attribute)	
ApptType	String		Required (attribute)	
PickupOrDelivery	String		Required (attribute)	

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Mail.XML 8.0B - Complex Type: deliveryApptUpdateRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
PalletPositionCount	String, 2 characters		Optional (attribute)	
RequestMsgHeaderInfo ends				
ReturnInfo	String, Complex Type		Optional, refer to ReturnInfo Type	

5.23 Complex Type: deliveryContentAcceptType

DeliveryContentAcceptType is a successful content response block that provides information about the content for the sender of the content request message..

Mail.XML 8.0B - Complex Type: deliveryContentAcceptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryContentAcceptType				
DeliveryContentHeaderInfo Begins				
ConsigneeApptID	String, 12 characters		Optional (attribute)	
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
DeliveryContentHeaderInfo ends				
ConsigneeFacility	String, Complex Type		Optional, refer to ConsigneeFacilityType	
ContentDetailInfo	String, Complex Type		Required, refer to contentDetailInfoType	
ReturnInfo	String, Complex Type		Optional, refer to ReturnInfo Type	

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5.24 Complex Type: deliveryContentCancelResponseType

DeliveryContentCancelResponseType is a block that provides specific information to cancel the unwanted content.

Mail.XML 8.0B - Complex Type: deliveryContentCancelResponseType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryContentCancelResponseType				
DeliveryContentCancelAccept	String, 12 characters		Required (attribute)	
DeliveryContentHeaderInfoCancel Info Block begins				
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
DeliveryContentHeaderInfoCancel Info Block ends				
ContentCancel	String, Complex Type		Required, refer to ContentCancelType	
CancelConfirmID	String, 12 characters		Required	
DeliveryContentCancelRejectInfo Block begins	String, 12 characters		Required (attribute)	
DeliveryContentHeaderInfoCancel Info Block begins				
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
DeliveryContentHeaderInfoCancel Info Block ends				
ContentCancel	String, Complex Type		Required, refer to ContentCancelType	
ReturnInfo	String, Complex Type		Required, refer to ReturnInfoType	

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5.25 Complex Type: deliveryContentRejectType

DeliveryContentRejectType is a reject response block that contains several blocks with specific content information and the reject reason(s) for scheduling the content in FAST.

Mail.XML 8.0B - Complex Type: deliveryContentRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryContentRejectType				
DeliveryContentHeaderInfo Block begins				
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
DeliveryContentHeaderInfo Block ends				
ReturnInfo	String, Complex Type		Required, refer to ReturnInfo Type	

5.26 Complex Type: deliveryContentUpdateAcceptType

DeliveryContentUpdateAcceptType is a successful response block that returns accepted content information to the sender of the request message.

Mail.XML 8.0B - Complex Type: deliveryContentUpdateAcceptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryContentUpdateAcceptType				
DeliveryContentUpdateHeaderInfo Block begins				
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
ConsigneeApptID	String, 12 characters		Optional (attribute)	
SchedulerCRID	String, 15	0-9	Optional	New field

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Mail.XML 8.0B - Complex Type: deliveryContentUpdateAcceptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
			(attribute)	
FullContentReplacement	String		Optional (attribute)	
DeliveryContentUpdateHeaderInfo Block ends				
ConsigneeFacility	String, Complex Type		Optional, refer to ConsigneeFacilityType	
ContentDetailInfoUpdate	String, Complex Type		Required, refer to ContentDetailInfoUpdateType	
ReturnInfo	String, Complex Type		Optional, refer to ReturnInfoType	

5.27 Complex Type: deliveryContentUpdateRejectType

DeliveryContentUpdateRejectType is a reject response block that returns to the sender with content information and the reject reason(s).

Mail.XML 8.0B - Complex Type: deliveryContentUpdateRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: deliveryContentUpdateRejectType				
DeliveryContentUpdateHeaderInfo Block begins				
SchedulerID	String, 12 characters		Required (attribute)	
SchedulerCorpID	String, 12 characters		Required (attribute)	
SchedulerCRID	String, 15	0-9	Optional (attribute)	New field
ConsigneeApptID	String, 12 characters		Optional (attribute)	
FullContentReplacement	String		Optional (attribute)	
DeliveryContentUpdateHeaderInfo Block ends				
ReturnInfo	String, Complex Type		Optional,	

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Mail.XML 8.0B - Complex Type: deliveryContentUpdateRejectType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
			refer to ReturnInfoType	

5.28 ComplexType: detailInfoType

DetailInfotype is a block that contains several blocks of information including a block for content information in FAST.

Mail.XML 8.0B - ComplexType: detailInfoType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
OptionalAppt			Optional	
ShipperContainerGroupingID	String, 16 characters		Optional	
ConsigneeContainerGroupingID	String, 16 characters		Optional	
ShipperGroupingIDDescription	String, 50 characters		Optional	
MailDatSummary	mailxml:mailDatSummaryType		Required	
USPSSummary	mailxml:uspsSummaryType		Required	

5.29 Complex Type: GPSCoordinates

GPSCoordinates is a block that provides additional information for the Facility information block.

Mail.XML 8.0B - Complex Type: GPSCoordinates				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: GPSCoordinates				
GPS System	String		Optional(attribute)	
Latitude	dec18-8		Required	
Longitude	dec18-8		Required	
Height	String, Complex Type		Optional, refer to measurementType	

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5.30 ComplexType: MailDatSummary

MailDatSummary is a block that the mailers can send to *PostalOne!*, and *PostalOne!* will generate the USPSSummary block off of it

Mail.XML 8.0B - ComplexType: MailDatSummary				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: MailDatSummary			Required	
MailDatSummary Type Attribute Block Begins			Required	
IncludedInSummarizationBlock	String		Optional, (Attribute)	
SchedulerContentID	String, 12 characters		Optional (Attribute)	
MailDatSummary Type Attribute Block ends				
UserLicenseCode	mailxml:mailDatSummaryType		Required	
MailDatJobID	mailxml:uspsSummaryType		Required	
DatabaseContainerID	mailxml_base:databaseContainerIDType		Required	
UniqueContainerBarcode	mailxml_base:container24CharacterBarcodeType		Optional	
VerificationZip4	Numeric String, 9 characters		Optional	

5.31 ComplexType: OneTimeAppt

OneTimeAppt block provides information to create appointment date/time when scheduling the appointment in FAST system

Mail.XML 8.0B - ComplexType: OneTimeAppt				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
OneTimeAppt			Required	
PreferredAppt	dateTime	YYYY-MM-DDTHH:MM:SS	Required	

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Mail.XML 8.0B - ComplexType: OneTimeAppt				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
OptionalAppt	mailxml:optionalApptType		Optional	

5.32 ComplexType: OptionalAppt

OptionalAppt will be used to generate the appointment date/time if the OneTimeAppt block is invalid or not available.

Mail.XML 8.0B - ComplexType: OptionalAppt				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: OptionalAppt			Optional	
Start	dateTime	YYYY-MM-DDTHH:MM:SS	Required	
End	dateTime	YYYY-MM-DDTHH:MM:SS	Required	

5.33 ComplexType: palletPresortType

PalletPresortType block provides information to identify the USPS container.

Mail.XML 8.0B - ComplexType: palletPresortType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: palletPresortType			Required	
palletPresortType Attribute Block Begins			Required	
Count	nonNegativeInteger		Required, (Attribute)	
MailDatCode	mailxml_base:containerLevelType		Required (Attribute)	
palletPresortType Attribute Block ends				
USPSContainerInfo	mailxml:uspsContainerInfoType		Required	

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5.34 ComplexType: palletUnitType

PalletUnitType provides the Pallet count for each content (USPSSummary block).

Mail.XML 8.0B - ComplexType: palletUnitType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: palletUnitType			Required	
palletUnitType Attribute Block Begins			Required	
Count	nonNegative Integer		Required, (Attribute)	
HandlingUnitType	String, 12 characters		Required (Attribute)	
PalletType	String		Required (Attribute)	
palletUnitType Attribute Block ends				
PalletPreSortLevel	mailxml:palletPresortType		Required	
USPSContainerInfo	mailxml:uspsContainerInfoType		Required	

5.35 Complex Type: queryErrorType

QueryErrorType is the block that returns the reject reason(s) for the query request message.

Mail.XML 8.0B - Complex Type: queryErrorType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: queryErrorType				
ReturnInfo	String		Required, refer to ReturnInfoType	

5.36 Complex Type: recurringApptType

This block provides information to create the effective date range and scheduling frequency for the recurring appointment level in FAST.

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Mail.XML 8.0B - Complex Type: recurringApptType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: recurringApptType				
EffectiveStartDate	date	YYYY-MM-DD	Required (attribute)	
EffectiveEndDate	date	YYYY-MM-DD	Required (attribute)	
ApptTime	time	HH:MM:SS	Required (attribute)	
DayFrequency	mailxml_base:dayFrequencyType		Required (attribute)	
WeekFrequency	mailxml_base:weekFrequencyType		Required (attribute)	

5.37 Complex Type: slotAvailibilityType

SlotAvaibilityType block is a block that provides specific information about available date/time for scheduling appointments at the facility requested.

Mail.XML 8.0B - Complex Type: slotAvailibilityType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: slotAvailibilityType				
ApptType	String		Required	
MailClass	String, 1 to many		Required	
Perishable	String		Optional	
ApptStartTime	dateTime	YYYY-MM-DDTHH:MM:SS	Required	
ApptEndTime	dateTime	YYYY-MM-DDTHH:MM:SS	Required	
ApplyTiers	String		Required	

5.38 Complex Type: participantIDType

This block is used to indentify each individual submitting to *PostalOne!*

Mail.XML 8.0B - Complex Type: participantIDType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**

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Mail.XML 8.0B - Complex Type: participantIDType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: SubmittingParty				
SubmittingParty	mailxml:participantIDType		Required block; Identifies the customer submitting the message	
SubmittingParty Block begins			Required block; Identifies the software submitting the message	
MailerID6	String, 6 characters		Optional (attribute) Either MailerID6 or MailerID9 can be provided, not both	
MailerID9	String, 9 characters		Optional (attribute) Either MailerID6 or MailerID9 can be provided, not both	
CRID	String, 10 characters		Optional (attribute), Either CRID or MID can be provided for authorization	
SchedulerID			Optional (attribute)	
MaildatUserLicense			Optional (attribute)	
SubmittingParty Block ends				

5.39 Complex Type: SubmittingSoftwareType

Mail.XML 8.0B - Complex Type: SubmittingSoftwareType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: SubmittingSoftware				
SubmittingSoftware	mailxml:submittingSoftwareType		Identifies the software submitting the message	

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Mail.XML 8.0B - Complex Type: SubmittingSoftwareType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
SubmittingSoftware Block begins				
SoftwareName	String		Required (attribute)	
Vendor	String		Required (attribute)	
Version	String		Required (attribute)	
ApprovalDate	Date & Time	YYYY-MM-DDTHH:MM:SS	Optional (attribute)	
ApprovalKey	String		Optional (attribute)	
SubmittingSoftware Block ends				

5.40 Complex Type: trailerInfoType

TrailerInfoType is a block that contains several blocks of information pertaining to transportation and delivery of mail.

Mail.XML 8.0B - Complex Type: trailerInfoType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: trailerInfoType				
Trailer	String, 16 characters		Optional, refer to trailerType	
Carrier	String, Complex Type		Optional, refer to carrierType	
BillOfLadingNumber	String, 15 characters		Required	

5.41 Complex Type: trailerType

TrailerType is a block that contains the delivery truck's information for each content.

Mail.XML 8.0B - Complex Type: trailerType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: trailerType				
TrailerNumber	String, 16 characters		Optional	
TrailerLength	String		Optional	

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5.42 Complex Type: trayHandlingUnitType

BedloadHandlingUnitType provides the specific presort level count of bedload trays for each content when scheduling the appointment in FAST.

Mail.XML 8.0B - Complex Type: trayHandlingUnitType				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: trayHandlingUnitType				
PreSortLevel	String, Complex Type		Optional, refer to presortType	
Count	nonNegativeInteger		Required (attribute)	
Type	String		Optional (attribute)	

5.43 Complex Type: USPSContainerInfo

USPSContainerInfo block provides container information for each container within a content.

Mail.XML 8.0B - Complex Type: USPSContainerInfo				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
Complex Type: uspsContainerInfoType				
MailOwnerID	0 to Many, String 12 characters		Optional	
USPSPublicationID	0 to Many, String 12 characters		Optional	
ActualPieceCount	nonNegativeInteger		Optional	
ContainerWeight	float		Optional	
UniqueContainerBarcode	String 24 characters		Required	
SiblingBarcode	0 to Many, String 24 characters		Optional	
ContainerDestination3digitZIP	String		Required	
ContainerDestination5digitZIP	String		Required	

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5.44 Complex Type: USPSSummary type

USPSSummary block contains content information to create/update content when scheduling an appointment in FAST.

Mail.XML 8.0B - Complex Type: USPSSummary type				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
ComplexType: USPSSummaryType			Required	
USPSSummaryType Attribute Block Begins			Required	
ConsigneeContentID	String, 12 characters		Optional, (Attribute)	
SchedulerContentID	String, 12 characters		Optional (Attribute)	
USPSSummaryType Attribute Block ends				
UserLicenseCode	mailxml:mailDatSummaryType		Required	
MailDatJobID	mailxml:uspsSummaryType		Required	
DatabaseContainerID	mailxml_base:databaseContainerIDType		Required	
UniqueContainerBarcode	mailxml_base:container24CharacterBarcodeType		Optional	
VerificationZip4	Numeric String, 9 characters		Optional	
DestinationDiscountIndicator	String			
ZoneSkippingIndicator	String			
FullServiceIndicator	String		Optional	New field
Pallets	mailxml:palletUnitType			
Bedload	mailxml:bedloadUnitType			
Perishable	String			
MailClass	mailxml_base:mailClassType			
RateType	mailxml_base:rateTypeType			

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Mail.XML 8.0B - Complex Type: USPSSummary type				
Field	**Format**	**Acceptable Values**	**Business Rules**	**Comments**
InHomeStart	dateTime	YYYY-MM-DDTHH:MM:SS		
InHomeEnd	dateTime	YYYY-MM-DDTHH:MM:SS		
ProcessingCategory	mailxml_base:processingCategoryType			
NewsIndicator	String			
PriorityMailIndicator	String			
VerificationLocation	mailxml_base:verificationLocationType			
EvsIndicator	String			
MailContentName	String, 30 characters			
MailPreparerID	String, 12 characters			
AdvanceMailingID	String, 09 characters			
EFileNumber	String, 22 characters			
ContainsAutoMail	String			

6. Appendix B - Mail.XML 8.0B Simple Types Data Structures

The simple types below list variation of validation in Mail.XML for each version of the Mail.XML (i.e. 7.0C, 8.0B, and 9.1/10.0). A column highlighted in YELLOW indicates that there is at least one change made from previous version. For example – if MailXML 8.0B column is highlighted in YELLOW, it means that at least one change is made in v8.0B from v7.0C. Another variation in the table below is when both v8.0B and v9.1/10.0 columns are highlighted in YELLOW. It means that there is at least one change made in v8.0B from v7.0C and then there was another change made in v9.1/10.0 from v8.0B.

6.1 simpleType: actionCodeType

simpleType: actionCodeType	
Tag	**Mail.XML 8.0B**
Base	xs:string
enumeration	F = Forwarded
enumeration	W = Wasted
enumeration	R = Returned
enumeration	U = Unable to determine action

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6.2 simpleType: addressCorrectionMoveType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	F = Family Move
enumeration	I = Individual Move
enumeration	B = Business Move

6.3 simpleType: additionalInHomeRangeType

Tag	Mail.XML 8.0B
Base	mailxml_base:n01

6.4 simpleType: adjustmentStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	R = Ready to Pay
enumeration	X = Paid
enumeration	C = Cancel
enumeration	P = Preliminary Postage Statement
enumeration	T = Transportation

6.5 simpleType: adjustmentType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	1 = Re-order in excess of tolerance
enumeration	2 = “Average Remail” Add-on
enumeration	3 = Spoilage
enumeration	4 = Shortage

6.6 simpleType: agencyCostCodeType

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{5}|[0-9]{6}

6.7 simpleType: apptMethodType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Online
enumeration	Phone
enumeration	Webservices - Detail
enumeration	Webservices - No Detail

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6.8 simpleType: apptStateType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Scheduled
enumeration	Arrived
enumeration	ApptValidated
enumeration	WaitingToBeUnloaded
enumeration	Unloading
enumeration	FinishedUnloading
enumeration	ResolvingProblems
enumeration	Rejected
enumeration	Closed

6.9 simpleType: apptStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Open
enumeration	Closed
enumeration	No Show
enumeration	Unscheduled
enumeration	Rejected

6.10 simpleType: apptTypeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Pallet
enumeration	DropAndPick
enumeration	Speedline
enumeration	Bedload

6.11 simpleType: barcodeRateType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Y = Yes
enumeration	N = No
enumeration	O = Other

6.12 simpleType: billReasonCodeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	E
enumeration	F
enumeration	M
enumeration	N

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6.13 simpleType: bundleDetailLevelType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Firm
enumeration	B = Carrier Route
enumeration	C = 5-Digit
enumeration	D = Unique 3-Digit
enumeration	E = (Reserve for future)
enumeration	F = 3-Digit
enumeration	G = (Reserve for future)
enumeration	H = ADC
enumeration	I = AADC
enumeration	J = (Reserve for future)
enumeration	K = Origin MxADC
enumeration	L = MxADC
enumeration	M = MxAADC
enumeration	N = (Reserve for future)
enumeration	O = Working
enumeration	P = (Reserve for future)
enumeration	Q = (Reserve for future)
enumeration	R = Parcel
enumeration	S = Multi-Piece Parcel
enumeration	T = 3D Scheme
enumeration	U = 5D Scheme + L007
enumeration	V = NDC (previously as BMC)
enumeration	W = 5-Digit Super Scheme
enumeration	

6.14 simpleType: bundleLevelType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	

6.15 simpleType: bundleRecordStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	O = Original
enumeration	D = Delete
enumeration	I = Insert
enumeration	U = Update

6.16 simpleType: bundleStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Blank

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enumeration	C = Cancel

6.17 simpleType: canadaAdMailOnlyType

Tag	Mail.XML 8.0B
Base	Does not exists
enumeration	
enumeration	

6.18 simpleType: chargeableBundleLevelType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	3 = 3-Digit/SCF
enumeration	5 = 5-Digit/Carrier Route
enumeration	A = ADC/AADC
enumeration	C = Carrier Route
enumeration	F = Firm
enumeration	M = Mixed ADC and Mixed AADC

6.19 simpleType: chargeableContainerType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Sacks-Trays
enumeration	Pallets

6.20 simpleType: chargeableContainerLevelType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	3 = 3-Digit/SCF
enumeration	5 = 5-Digit/Carrier Route
enumeration	A = ADC/AADC
enumeration	M = Mixed ADC & Mixed AADC

6.21 simpleType: chargeableEntryLevelType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	B = Destination NDC (Previously BMC)
enumeration	C = Origin SCF
enumeration	D = DDU
enumeration	J = Origin ADC
enumeration	K = Origin NDC (previously BMC)
enumeration	O = Origin Post Office/ DMU
enumeration	R = Destination ADC
enumeration	S = Destination SCF

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6.22 simpleType: classNotificationType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = (Reserved for future use)
enumeration	B = First-Class Mail
enumeration	C = Periodicals, Initial Notification
enumeration	D = Standard Mail
enumeration	E = Package Services
enumeration	F = Periodicals, Follow-up Notifications

6.23 simpleType: closeoutIrregularitiesType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	B = Broken Pallet
enumeration	C = Count don't Match 8125
enumeration	D = Damaged Mail
enumeration	DR = Driver Refused to Assist
enumeration	G = Good
enumeration	IA = Improper Appointment Type
enumeration	IM = Improper Mail Class
enumeration	I = Improper Mail Makeup
enumeration	IF = Incorrect Mail Facility
enumeration	L = Load Unsafe
enumeration	M = Mailing not separated by 8125
enumeration	MI = Miscellaneous
enumeration	NP = No Paperwork (Missing Paperwork)
enumeration	O = Others
enumeration	OW = Overweight Pallets
enumeration	NM = Package on NDC non-machinable
enumeration	P = Pallet Too Tall
enumeration	VS = Vehicle Size
enumeration	CP = Courtesy Pallets
enumeration	CM = Container do not match 8017
enumeration	SM = Separation do not match 8107
enumeration	AR = Altered Required Field on Form
enumeration	IO = Incorrect Entry Office
enumeration	MN = Missing Appointment Number
enumeration	MS = Missing Origin Signature and/or Round Stamp
enumeration	MF = Missing Required Mailer Field on Form
enumeration	MA = Multiple Appts Associated to Load
enumeration	NF = No Form with Shipment
enumeration	IP = Incorrect Processing Category
enumeration	PD = Past in Home Date

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6.24 simpleType: communicationRoleType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	From
enumeration	To
enumeration	CC

6.25 simpleType: componentIDType

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.26 simpleType: componentWeightType

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.27 simpleType: componentWeightSourceType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.28 simpleType: componentWeightStatusType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.29 simpleType: consigneeContentIDType

Tag	Mail.XML 8.0B
Base	mailxml_base:s09

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6.30 simpleType: containerBundleStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	-1 = Failed
enumeration	0 = Pending
enumeration	1 = Success

6.31 simpleType: container24CharacterBarcodeType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	24
minLength	1
whiteSpace	preserve

6.32 simpleType: IMtbType

Tag	Mail.XML 8.0B
Base	Does not exists
maxLength	
minLength	

6.33 simpleType: IMpbType

Tag	Mail.XML 8.0B
Base	Does not exists
maxLength	
minLength	

6.34 simpleType: containerAcceptanceDateType

Tag	Mail.XML 8.0B
Base	xs:date

6.35 simpleType: cccLevelType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	3 = 3-Digit/SCF
enumeration	5 = 5-Digit/Carrier Route
enumeration	A = ADC/AADC
enumeration	M = Mixed ADC & Mixed AADC

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6.36 simpleType: containerGroupingDescriptionType

Tag	Mail.XML 8.0B
Base	Removed

6.37 simpleType: containerGrossWeightType

Tag	Mail.XML 8.0B
Base	mailxml_base:s05

6.38 simpleType: containerHeightType

Tag	Mail.XML 8.0B
Base	mailxml_base:n03

6.39 simpleType: containerLevelType

How to Read:
Each Container Level Type Code shows the English translation of the code. Underneath the code there is "Eligibility Type" codes of "S" for Sack, "T" for Trays and "P" for Pallets. The Mailer must understand that to use any specific container level, the container type must be one of the following: Sack, Tray, or Pallet or all of the following or combination of some. For example – Container Level Code "A" means "CR-Direct" and it can only be used if the container types are: Sack, Tray, and Pallet.

For some Container Level Code – there is an asterisk (*) followed by "Not Supported Enumeration" text. This means that the code is not currently supported by *PostalOne!*

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = CR-Direct Eligibility Type = S, T, P
enumeration	B = Mixed CR in 5 Digit Eligibility Type = S, T, P
enumeration	C = Mixed CR in 3 Digit Eligibility Type = S, T
enumeration	D = CR – 5D Scheme Eligibility Type = S, T, P
enumeration	E = FSS Scheme
enumeration	F = FSS Facility
enumeration	G = 5 Digit (Auto/Presort) Eligibility Type = S, T, P
enumeration	H = 5 Digit (Merged) Eligibility Type = S, T, P
enumeration	I = 5 Digit (Presort Only) Eligibility Type = S, T, P
enumeration	J = 5 Digit (Barcode Only) Eligibility Type = S, T, P
enumeration	K = Metro Scheme Eligibility Type = P
enumeration	~~L = Mixed RDC~~ ~~*** Not Supported Enumeration**~~

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enumeration	M = 5D Scheme (Presort) Eligibility Type = S, T, P
enumeration	N = 5D Scheme (Auto/Presort) Eligibility Type = S, T, P
enumeration	~~O =~~ ~~***Not Supported Enumeration**~~
enumeration	P = 5D Scheme (Barcode) Eligibility Type = S, T, P
enumeration	Q = 5D Scheme (Merged) Eligibility Type = S, T, P
enumeration	R = 3 Digit (Auto, Presort) Eligibility Type = S, T
enumeration	S = 3 Digit (Barcode) Eligibility Type = S, T
enumeration	T = 3 Digit (Presort) Eligibility Type = S, T
enumeration	U = 3 Digit (CR, Auto, Presort) Eligibility Type = S, T, P
enumeration	V = 3 Digit Scheme Eligibility Type = T
enumeration	W
enumeration	X = SCF Eligibility Type = S, P
enumeration	Y = Protected SCF Eligibility Type = P
enumeration	Z = ADC Eligibility Type = S, T, P
enumeration	AA = AADC Eligibility Type = T
enumeration	AB = Mixed ADC Eligibility Type = S, T, P
enumeration	AC = Mixed AADC Eligibility Type = T
enumeration	AD = ASF Eligibility Type = S, P
enumeration	AE = NDC (previously known as BMC) Eligibility Type = S, P
enumeration	AF = Protected NDC Eligibility Type = P
enumeration	AG = Mixed NDC Eligibility Type = S, P
enumeration	AH
enumeration	AI
enumeration	AJ = Single Piece Container Eligibility Type = S, T
enumeration	AK = MXDS – Mixed Surface Eligibility Type = P
enumeration	AL
enumeration	AM = Working Eligibility Type = P
enumeration	AN = Single Piece – First Class Eligibility Type = P
enumeration	AO = Surface Eligibility Type = P

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enumeration	AP = Air Eligibility Type = P
enumeration	AQ = Local Eligibility Type = P
enumeration	BA = Urban Direct Eligibility Type = S, T
enumeration	BB = Rural Direct Eligibility Type = S, T
enumeration	BC = Station Eligibility Type = S, T, P
enumeration	BD = City Eligibility Type = S, T, P
enumeration	BE = FSA Eligibility Type = P
enumeration	BF = DCF Eligibility Type = S, T, P
enumeration	BG = FCP Eligibility Type = S, T, P
enumeration	BH = Province Eligibility Type = P
enumeration	BI = Residual Eligibility Type = S, T, P
enumeration	BJ = Foreign Eligibility Type = S, T, P
enumeration	BK = Country Eligibility Type = S, T, P
enumeration	BL = Mixed Country Eligibility Type = S, T, P
enumeration	BM = M Bags Eligibility Type = S

6.40 simpleType: containerPickupDateType

Tag	Mail.XML 8.0B
Base	xs:date

6.41 simpleType: containerPickupTimeType

Tag	Mail.XML 8.0B
Base	xs:time

6.42 simpleType: containerShipDateType

Tag	Mail.XML 8.0B
Base	xs:date

6.43 simpleType: containerShipTimeType

Tag	Mail.XML 8.0B
Base	xs:time

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6.44 simpleType: contactType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	AccountManager
enumeration	Carrier
enumeration	CrossDock
enumeration	CustomerService
enumeration	HelpDesk
enumeration	DropShipCoordinator
enumeration	ApptCoordinator
enumeration	Plant
enumeration	InboundFreightCoordinator
enumeration	SalesOffice
enumeration	TruckDriver
enumeration	Warehouse
enumeration	Other

6.45 simpleType: containerType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.46 simpleType: containerStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Accepted
enumeration	OnHold
enumeration	Rejected

6.47 simpleType: containerHeightSourceType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Actual
enumeration	E = Estimated

6.48 simpleType: cptPeriodicalAdPercentageType

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

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6.49 simpleType: cptPeriodicalAdPercentageBasisType

Tag	Mail.XML 8.0B
Base	Removed
totalDigits	

6.50 simpleType: cptPeriodicalAdPercentageBasisType

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.51 simpleType: CQTdatabaseIDType

Tag	Mail.XML 8.0B
Base	xs:nonNegativeInteger
totalDigits	8
whiteSpace	collapse

6.52 simpleType: creditDebitIndicator

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	C = Credit
enumeration	D = Debit

6.53 simpleType: CRIDType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	15
minLength	1
pattern	([0-9])*

6.54 simpleType: cRIDStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	New
enumeration	Existing

6.55 simpleType: csaTemplateType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	PVDS-PER

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enumeration	DMU-C
enumeration	DMU-P
enumeration	BMEU
enumeration	UPVDS-PER
enumeration	UDMU-C
enumeration	UDMU-P
enumeration	UBMEU
enumeration	U

6.56 simpleType: csaStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	ACT
enumeration	PEN
enumeration	INACT
enumeration	INCOMP
enumeration	PREAPP

6.57 simpleType: databaseContainerIDType

Tag	Mail.XML 8.0B
Base	xs:nonNegativeInteger
totalDigits	6

6.58 simpleType: dayFrequencyType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Daily
enumeration	Monday
enumeration	Tuesday
enumeration	Wednesday
enumeration	Thursday
enumeration	Friday
enumeration	Saturday
enumeration	Sunday

6.59 simpleType: daysOfWeekType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	MON
enumeration	TUE
enumeration	WED
enumeration	THU
enumeration	FRI
enumeration	SAT
enumeration	SUN
enumeration	MF

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enumeration	MS
enumeration	ALL
enumeration	H

6.60 simpleType: daysType

Tag	Mail.XML 8.0B
Base	Removed
maxInclusive	
minInclusive	

6.61 simpleType: dec03-2

Tag	Mail.XML 8.0B
Base	Removed
totalDigits	
fractionDigits	

6.62 simpleType: dec04-3

Tag	Mail.XML 8.0B
Base	Removed
totalDigits	
fractionDigits	

6.63 simpleType: dec18-6

Tag	Mail.XML 8.0B
Base	Removed
totalDigits	
fractionDigits	

6.64 simpleType: dec10-4

Tag	Mail.XML 10.0	Mail.XML 8.0B
Base	Removed	Removed
totalDigits		
fractionDigits		

6.65 simpleType: dec18-8

Tag	Mail.XML 8.0B
Base	xs:decimal
totalDigits	18
fractionDigits	8

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6.66 simpleType: deliverabilityCodeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	K = COA Match, No Forwarding Address
enumeration	G = COA Match, PO Box Closed, No Forwarding Address
enumeration	W = COA Match with a temporary COA

6.67 simpleType: electronicFileType

Tag	Mail.XML 8.0B
Base	String 1
enumeration	1=Postage & Tracking File
enumeration	2=Tracking File
enumeration	3=Return Service
enumeration	4=Corrections
enumeration	5=Electronic Verification
enumeration	C=Parcel Return Service

6.68 simpleType: emailType

Tag	Mail.XML 8.0B
Base	xs:string

6.69 simpleType: eMD8125ASNBarcodeType

Tag	Mail.XML 8.0B
Base	Removed

6.70 simpleType: enclosedByType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	SM = Standard Mail
enumeration	BP = Bound Printed Matter
enumeration	PE = Periodicals
enumeration	PP = Parcel Post
enumeration	ML = Media/Library Mail

6.71 simpleType: entryDiscountType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	N = None
enumeration	B = DNDC (previous DBMC)
enumeration	S = DSCF

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enumeration	D = DDU
enumeration	A = DADC

6.72 simpleType: entryFacilityType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	O = Origin
enumeration	B = NDC (Previous BMC)
enumeration	S = SCF
enumeration	D = DDU
enumeration	A = ADC

6.73 simpleType: entryPointEDPostalCodeType

Tag	Mail.XML 8.0B
Base	mailxml_base:s06

6.74 simpleType: entryPointEDFacilityTypeType

Tag	Mail.XML 8.0B
Base	mailxml_base:s01

6.75 simpleType: entryPointADLocaleKeyType

Tag	Mail.XML 8.0B
Base	mailxml_base:s09

6.76 simpleType: entryPointADPostalCodeType

Tag	Mail.XML 8.0B
Base	mailxml_base:s09

6.77 simpleType: es2

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.78 simpleType: es3

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	3
minLength	3
whiteSpace	preserve

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6.79 simpleType: es4

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	4
minLength	4
whiteSpace	preserve

6.80 simpleType: es5

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	5
minLength	5
whiteSpace	preserve

6.81 simpleType: es31

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.82 simpleType: exemptionCodeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	APO
enumeration	APS
enumeration	CAPC
enumeration	DUE
enumeration	HC

6.83 simpleType: fASTContentIDType

Tag	Mail.XML 8.0B
Base	Removed

6.84 simpleType: fASTSchedulerIDType

Tag	Mail.XML 8.0B
Base	mailxml_base:s12

6.85 simpleType: feeNotificationType

Tag	Mail.XML 8.0B
Base	Removed

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enumeration	
enumeration	
enumeration	
enumeration	

6.86 simpleType: flatRateIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	B = Box – Priority Mail Flat Rate Only
enumeration	-
enumeration	E = Envelope – Priority Mail Flat Rate Only
enumeration	-
enumeration	L = Box – Large Priority Mail Flat Rate Only
enumeration	M = Box – Large Military Destination Priority Mail Flat Rate Only
enumeration	-
enumeration	-
enumeration	S = Small – Priority Mail Flat Rate Only

6.87 simpleType: formType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	PM = Priority Mail
enumeration	FC = First-Class
enumeration	SM = Standard Mail
enumeration	BP = Bound Printed Matters
enumeration	PE = Periodicals
enumeration	PP = Parcel Post
enumeration	ML = Media/Library Mail
enumeration	-

6.88 simpleType: fullServiceComplianceIndicatorType

Tag	Mail.XML 8.0B
Base	mailxml_base:yesNo
enumeration	
enumeration	

6.89 simpleType: fspiType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	M
enumeration	F

6.90 simpleType: gPSSystemType

Tag	Mail.XML 8.0B

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Base	xs:string
enumeration	ECEF
enumeration	HAE
enumeration	MSL

6.91 simpleType: IDType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	DriversLicense
enumeration	EmployeeID

6.92 simpleType: IMcbType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	24
minLength	21

6.93 simpleType: iMBType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	34
minLength	20
pattern	([0-9])+

6.94 simpleType: iMBarcodeIDType

Tag	Mail.XML 8.0B
Base	mailxml_base:ns02

6.95 simpleType: iMBSerialNumber6Type

Tag	Mail.XML 8.0B
Base	mailxml_base:ns06

6.96 simpleType: iMBSerialNumber9Type

Tag	Mail.XML 8.0B
Base	mailxml_base:ns09

6.97 simpleType: iMBUpperSerializationType

Tag	Mail.XML 8.0B
Base	mailxml_base:s18

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6.98 simpleType: iMBLowerSerializationType

Tag	Mail.XML 8.0B
Base	mailxml_base:s18

6.99 simpleType: includedInOtherDocType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	L = Linked
enumeration	O = Original

6.100 simpleType: internalDateType

Tag	Mail.XML 8.0B
Base	xs:date

6.101 simpleType: inOutCountyIndicatorType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	
enumeration	
enumeration	

6.102 simpleType: inCountyOutCountyIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	I – In County
enumeration	N = Outside County
enumeration	

6.103 simpleType: int04

Tag	Mail.XML 8.0B
Base	Removed
TotalDigits	

6.104 simpleType: jobIDType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	8
minLength	1
whiteSpace	preserve

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6.105 simpleType: localeKeyType

Tag	Mail.XML 8.0B
Base	mailxml_base:s09

6.106 simpleType: inductionStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Accepted
enumeration	N = Rejected

6.107 simpleType: logicalPhysicalBundleIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	P = Physical
enumeration	L = Logical

6.108 simpleType: logicalPhysicalContainerIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	P = Physical
enumeration	L = Logical

6.109 simpleType: mailAgreementTypeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Alternate Mailing System
enumeration	B = Optional Procedure
enumeration	C = Manifest Mailing
enumeration	D = Value Added
enumeration	E = Combined Mail
enumeration	F = Combined and Value Added

6.110 simpleType: mailClassType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	1 = First-Class Mail
enumeration	2 = Periodicals
enumeration	3 = Standard Mail
enumeration	4 = Package Services
enumeration	6 = (Future Placeholder)

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6.111 simpleType: maildatContainerStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	R = Ready to Pay
enumeration	X = Paid
enumeration	C = Cancel
enumeration	D = Delete
enumeration	P = Preliminary Postage Statement
enumeration	T = Transportation Information Update

6.112 simpleType: maildatRecordStatus

Tag	Mail.XML 8.0B
Base	Removed
enumeration	

6.113 simpleType: mailerID6Type

Tag	Mail.XML 8.0B
Base	mailxml_base:ns06

6.114 simpleType: mailerID9Type

Tag	Mail.XML 8.0B
Base	mailxml_base:ns09

6.115 simpleType: mailIssueType

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.116 simpleType: mailXMLContainerType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	1 = #1 Sack
enumeration	2 = #2 Sack
enumeration	3 = #3 Sack
enumeration	4 = 01V Sack
enumeration	5 = 03V Sack
enumeration	E = EMM Tray
enumeration	F = Flat Tub
enumeration	L = Logical Tray

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enumeration	O = 1' Tray
enumeration	P = Pallet
enumeration	S = Sack (General)
enumeration	T = 2' Tray
enumeration	V = Sack (Virtual)
enumeration	B = Bedload
enumeration	U – Unit Load Device
enumeration	Z = User Pallet
enumeration	X = (Future Placeholder)
enumeration	H = EIRS 61 – Hamper, Large Canvas
enumeration	A = EIRS 61P – Hamper, Large Plastic
enumeration	G = EIRS 66 – General Purpose Mail Container w/Gate
enumeration	D = EIRS 68 – Eastern Region Mail Container w/Web Door
enumeration	R = EIRS 84 – Wire Container Rigid
enumeration	C = EIRS 84C – Collapsible Wire Container
enumeration	M = Logical Pallet (MLOCR)

6.117 simpleType: mailXMLPresentationCategoryType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	M = MLOCR
enumeration	P = Conventional Presort
enumeration	I = Manifest Individual
enumeration	N = Single Piece
enumeration	S = Manifest Summary

6.118 simpleType: mailXMLStatusType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	

6.119 simpleType: mIDStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	New
enumeration	Existing

6.120 simpleType: meteredAffixedMethodType

Tag	Mail.XML 8.0B
Base	xs:string

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enumeration	C = Metered - Correct
enumeration	L = Metered – Lowest
enumeration	M = Metered - Neither

6.121 simpleType: monthType

Tag	Mail.XML 8.0B
Base	xs:nonNegativeInteger
maxInclusive	12
minInclusive	1

6.122 simpleType: moveUpdateMethodType

Tag	Mail.XML 8.0B
Base	xs:integer
enumeration	0 = None
enumeration	1 = ACS
enumeration	2 = NCOA
enumeration	3 = FAST Forward
enumeration	4 = Mailer Move Update Process
enumeration	5 = Ancillary Service Endorsement
enumeration	6 = Multiple
enumeration	7 = N/A
enumeration	8 = OneCode ACS

6.123 simpleType: moveUpdateType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	

6.124 simpleType: MPUIDType

Tag	Mail.XML 8.0B
Base	xs:nonNegativeInteger
totalDigits	5

6.125 simpleType: ns02

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{2}

6.126 simpleType: ns03

Tag	Mail.XML 8.0B

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Base	xs:string
pattern	[0-9]{3}

6.127 simpleType: ns04

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{4}

6.128 simpleType: ns05

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{5}

6.129 simpleType: ns06

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{6}

6.130 simpleType: ns08

Tag	Mail.XML 8.0B
Base	Removed
pattern	

6.131 simpleType: ns09

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{9}

6.132 simpleType: ns10

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{10}

6.133 simpleType: ns11

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{11}

6.134 simpleType: ns13

Tag	Mail.XML 8.0B

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Base	Removed
pattern	

6.135 simpleType: ns22

Tag	Mail.XML 8.0B
Base	xs:string
pattern	[0-9]{22}

6.136 simpleType: n01

Tag	Mail.XML 8.0B
Base	xs:positiveInteger
totalDigits	1

6.137 simpleType: n02

Tag	Mail.XML 8.0B
Base	xs:positiveInteger
totalDigits	2

6.138 simpleType: n03

Tag	Mail.XML 8.0B
Base	xs:nonNegativeInteger
totalDigits	3

6.139 simpleType: n04

Tag	Mail.XML 8.0B
Base	Removed
totalDigits	

6.140 simpleType: n05

Tag	Mail.XML 8.0B
Base	xs:nonNegativeInteger
totalDigits	5

6.141 simpleType: n06

Tag	Mail.XML 8.0B
Base	xs:nonNegativeInteger
totalDigits	6

6.142 simpleType: newAddressType

Tag	Mail.XML 8.0B

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Base	Removed
enumeration	
enumeration	

6.143 simpleType: addressType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	F = Foreign
enumeration	G = General Delivery
enumeration	H = Highway Route Contract
enumeration	P = Post Office Box
enumeration	R = Rural Route
enumeration	S = Street Address
enumeration	U = Urbanization Name
enumeration	V = Highway Contract Route with box number
enumeration	X = Rural Route with box number

6.144 simpleType: onePassPlannedOrActualFlagType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Actual
enumeration	P = Planned

6.145 simpleType: packageIDType

Tag	Mail.XML 8.0B
Base	mailxml_base:s06

6.146 simpleType: PackageServicesType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	PS
enumeration	BPM
enumeration	LIB
enumeration	MEDIA
enumeration	PP

6.147 simpleType: packagingMethodType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	0 = Piece Count
enumeration	1 = Weight
enumeration	2 = Both

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6.148 simpleType: palletHandlingUnitType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Sacks
enumeration	Bundles
enumeration	MixedLengthTrays
enumeration	1ft Tray
enumeration	2ft Tray
enumeration	EMM Tray
enumeration	Flat Tub
enumeration	Parcels

6.149 simpleType: palletType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Pallet
enumeration	EIRS 61 - Hamper, Large Canvas
enumeration	EIRS 61P - Hamper, Large Plastic
enumeration	EIRS 66 - General Purpose Mail Container w/Gate
enumeration	EIRS 68 - Eastern Region Mail Container w/Web Door
enumeration	EIRS 84 - Wire Container Rigid
enumeration	EIRS 84C - Collapsible Wire Container

6.150 simpleType: parentContainerRefIDType

Tag	Mail.XML 8.0B
Base	mailxml_base:s06

6.151 simpleType: percentageType

Tag	Mail.XML 8.0B
Base	xs:decimal
totalDigits	5
fractionDigits	2
minInclusive	0.00
maxInclusive	100.00

6.152 simpleType: periodicalPriceType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	D = Non-Advertising Pound Rate – DSCF (B13)
enumeration	C = Non-advertising Pound Rate – DDU (B12)
enumeration	E = Non-Advertising Pound Rate – DADC (B14)
enumeration	R = Repositionable notes (surcharge) (A21, F2)

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enumeration	Z = Non-Advertising Pound Rate – All Others (B15)
enumeration	5 = Non-Advertising Piece Rate (C30)
enumeration	9 = Ride-along Surcharge (A20, F1)
enumeration	1 = DDU (A17)

6.153 simpleType: periodicalStatementType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	N

6.154 simpleType: permitTypeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	PI = Permit Imprint
enumeration	MT = Metered Tape
enumeration	PC = Pre-cancelled Stamps
enumeration	BR = Business Reply
enumeration	PE = Periodicals
enumeration	GH = Ghost
enumeration	OI = Official Imprint
enumeration	OM = Official Imprint
enumeration	PP = Pending Periodicals

6.155 simpleType: phoneNumberType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	25
minLength	1
whiteSpace	preserve

6.156 simpleType: pickupOrDeliveryType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Pickup
enumeration	Delivery

6.157 simpleType: planetCodeType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	13
minLength	11
pattern	[0-9]{2}

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6.158 simpleType: postageGroupingIDType

Tag	Mail.XML 8.0B
Base	mailxml_base:s08

6.159 simpleType: postagePaymentMethodType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	S
enumeration	M
enumeration	P

6.160 simpleType: postageStatementLineNumber1Type

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	E26
enumeration	E27
enumeration	E28
enumeration	E29
enumeration	E30
enumeration	E31
enumeration	E32
enumeration	E33
enumeration	E34
enumeration	E35
enumeration	E36
enumeration	E37
enumeration	E38
enumeration	E39
enumeration	E40
enumeration	E41
enumeration	E42
enumeration	E43
enumeration	E44
enumeration	E45
enumeration	E46

6.161 simpleType: postageStatementLineNumber2Type

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	E1
enumeration	E2
enumeration	E3
enumeration	E4
enumeration	E5
enumeration	E6
enumeration	E7

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enumeration	E8
enumeration	E9
enumeration	E10
enumeration	E11
enumeration	E12
enumeration	E13
enumeration	E14
enumeration	E15
enumeration	E16
enumeration	E17
enumeration	E18
enumeration	E19
enumeration	E20
enumeration	E21
enumeration	E22
enumeration	E23
enumeration	E24

6.162 simpleType: postageStatementLineNumber3Type

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	D1
enumeration	D2
enumeration	D3
enumeration	D4
enumeration	D5
enumeration	D6
enumeration	D7
enumeration	D8
enumeration	D9
enumeration	D10
enumeration	D11
enumeration	D12
enumeration	D13
enumeration	D14
enumeration	D15
enumeration	D16
enumeration	D17

6.163 simpleType: postageStatementStateType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	

6.164 simpleType: postageStatementStatusType

Tag	Mail.XML 8.0B
Base	xs:string

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enumeration	UPD = Updated
enumeration	FIN = Finalized
enumeration	REW = Rework
enumeration	REV = Reversed
enumeration	CAN = Cancelled
enumeration	FAI = Failed Verification
enumeration	PEN = Pending
enumeration	PAS = Passed
enumeration	INC = Incomplete
enumeration	NAP = Not Available for Processing
enumeration	EST = Estimate Postage
enumeration	CON = Consolidated Postage Statement
enumeration	ERR = Error
enumeration	COM = Complete
enumeration	AVW = Address Verification Warning
enumeration	PAV = Pending Address Verification
enumeration	FPP = Finalized Pending Payment

6.165 simpleType: priceType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	commercial
enumeration	commercialplus
enumeration	retail
enumeration	-

6.166 simpleType: primarySecondaryIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	P = Primary
enumeration	S = Secondary

6.167 simpleType: processingCategoryType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	LT = Letter
enumeration	FL = Flat
enumeration	CD = Card
enumeration	OS = Outside Parcel
enumeration	MP = Machinable Parcel
enumeration	IR = Irregular Parcel
enumeration	PF = Parcel, First Class
enumeration	CM = Custom Mail
enumeration	NP = Non-Machinable Parcel
enumeration	NA = Non-Flat Machinable Piece < 6oz
enumeration	NB = Non-Flat Machinable Piece > 6oz

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6.168 simpleType: processingCodeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	S = Surface
enumeration	MXDS = Mixed Surface
enumeration	L = Locale
enumeration	WKG = Working Mail
enumeration	A = Air Separation
enumeration	MXDA = Mixed Air
enumeration	SP = Single Piece

6.169 simpleType: pvdsContainerType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	

6.170 simpleType: pvdsContainerSubType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	

6.171 simpleType: qualificationReportClassType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	FC = First Class
enumeration	S = Standard
enumeration	P = Periodicals
enumeration	PM = Priority Mail
enumeration	PP = Parcel Post
enumeration	A = Air Mail

6.172 simpleType: rateCategoryType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Saturation ECR
enumeration	AF = Saturation ECT Letter
enumeration	B = High Density ECR
enumeration	BF = High Density SCR Letter
enumeration	D = Carrier Route
enumeration	DF = Carrier Letter
enumeration	E = 5 Digit Barcode
enumeration	FB = Firm Bundle (Not In-County)
enumeration	G = 5D Non-Barcode
enumeration	GF = 5D Letter

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enumeration	H = 3 Digit Barcode
enumeration	K = 3D Non-Barcode
enumeration	KF = 3D Letter
enumeration	L = Basic Barcode
enumeration	L1 = AADC Barcode
enumeration	L2 = Mixed AADC Barcode
enumeration	L3 = ADC Barcode
enumeration	L4 = Mixed ADC Barcode
enumeration	L5 = ADC Non-Barcode
enumeration	L6 = Mixed ADC Non-Barcode
enumeration	L7 = AADC Non-Barcode
enumeration	L8 = Mixed AADC Non-Barcode
enumeration	N = Basic Non-Automation (Basic Presorted)
enumeration	NG = 5 Digit Non Flat Machinable
enumeration	NK = 3 Digit Non Flat Machinable
enumeration	N5 = NDC Non Flat Machinable
enumeration	N6 = Mixed NDC Non Flat Machinable
enumeration	PI = 5 Digit Parcel 0.2063 Pounds or less
enumeration	PM = 3 Digit Parcel 0.2063 Pounds or less
enumeration	P7 = NDC Parcel 0.2063 pounds or less
enumeration	P8 = Mixed NDC Parcel 0.2063 Pounds or less
enumeration	PE = 5 Digit Machinable Parcel over 0.2063 Pounds
enumeration	PQ = NDC Machinable Parcel over 0.2063 Pounds
enumeration	PR = Mixed NDC Machinable Parcel over 0.2063 Pounds
enumeration	PG = 5 Digit Irregular Parcel over 0.2063 Pounds
enumeration	PK = 3 Digit Irregular Parcel over 0.2063 Pounds
enumeration	P5 = NDC Irregular Parcel over 0.2063 Pounds
enumeration	P6 = Mixed NDC Irregular Parcel over 0.2063 Pounds
enumeration	S = Single Piece
enumeration	Z1 = Parcel Post (NDC Sort)
enumeration	Z2 = Parcel Post (ONDC Sort)

6.173 **simpleType: rateLevelType**

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	SP = Single Piece
enumeration	5B = Auto 5 Digit
enumeration	3B = Auto 3 Digit
enumeration	AB = Auto ADC/AADC
enumeration	PSRT = Presort
enumeration	5D = Presort 5 Digit
enumeration	3D = Presort 3 Digit
enumeration	NDC = NDC Presort
enumeration	ONDC = ONDC Presort
enumeration	BP = Standard Mail NDC
enumeration	MP = Mixed NDC Standard
enumeration	AD = ADC Presort
enumeration	MD = Mixed ADC Presort
enumeration	WS = Carrier Route

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	Saturation
enumeration	HD = Carrier Route High Density
enumeration	CR = Carrier Route Basic
enumeration	MB = Auto Mixed ADC/AADC
enumeration	FB = Firm Bundle
enumeration	BB = Barcode Basic
enumeration	

6.174 simpleType: rateLevelIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Auto (use with Rate Level 5B, 3B, AB, MB)
enumeration	B = Non-Auto (use with Rate Level 5D, 3D, AD, MD)
enumeration	C = ECR (use with Rate Level WS, HD, CR)
enumeration	M = Machinable (use with Rate Level AB, MB)
enumeration	N = Non-Machinable (use with Rate Level 5D, 3D, AD, MD)

6.175 simpleType: rateType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	R = Regular
enumeration	L = Library Mail
enumeration	B = Bound Printed Matter
enumeration	C = Classroom
enumeration	S = Science of Agriculture
enumeration	F = Media Mail
enumeration	A = Alt Delivery
enumeration	N = Non-Profit
enumeration	P = Parcel Post
enumeration	T = Priority Mail
enumeration	D = Parcel Select
enumeration	X = Other
enumeration	H = (Placeholders)
enumeration	M = (Placeholders)
enumeration	Z = (Placeholders)
enumeration	E = Priority Mail Flat Fixed (Rate Envelope)
enumeration	G = Priority Mail Flat Fixed (rate Box)
enumeration	1 = UA (International)
enumeration	2 = UL (International)
enumeration	3 = UM (International)
enumeration	4 = UR (International)
enumeration	J = Priority Mail Flat – Large Box

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enumeration	K = Priority Mail Flat – Large Box APO/FPO
enumeration	W = Science and Agriculture Limited
enumeration	Y = Regular Limited Circulation

6.176 simpleType: reasonCodeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = Attempted – Not Known
enumeration	B = Returned for Better Address
enumeration	D = Outside Delivery Limits
enumeration	E = In Dispute
enumeration	I = Insufficient Address
enumeration	L = Illegible
enumeration	M = No Mail Receptacle
enumeration	N = No such number
enumeration	P = Deceased
enumeration	Q = Not Deliverable as Addressed/ Unable to Forward
enumeration	R = Refused
enumeration	S = No Such Street
enumeration	U = Unclaimed
enumeration	V = Vacant
enumeration	X = No Such Office

6.177 simpleType: recipientType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	

6.178 simpleType: recurringStatusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Active
enumeration	Pending
enumeration	All

6.179 simpleType: reservationNumberType

Tag	Mail.XML 8.0B
Base	mailxml_base:s15

6.180 simpleType: roleType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Data Update Agent

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enumeration	Owner
enumeration	Confirm Subscriber
enumeration	Confirm Data Receiver
enumeration	ACS Data Receiver
enumeration	ACS Subscriber
enumeration	List Owner
enumeration	Mail Creator
enumeration	Addressor
enumeration	Comail
enumeration	CoMingler
enumeration	MLOCR
enumeration	Mail Owner
enumeration	Mail Agent
enumeration	Entry Point Planner
enumeration	Shipment Planner
enumeration	Consolidator
enumeration	Secondary Consolidator
enumeration	Appointment Management Receiver
enumeration	Consignee/Product Receiver
enumeration	Dispatcher
enumeration	Tracker CONFIRM-scan
enumeration	Tracker CONFIRM-payer
enumeration	Tracker Seed Source
enumeration	Tracker Piece-level-scan
enumeration	Tracker ASN-scan
enumeration	Tracker Induction-scan
enumeration	Tracker Planet-code
enumeration	ACS receiver
enumeration	ACS payer
enumeration	Seamless Acceptance
enumeration	Seamless Verification
enumeration	Security
enumeration	Logistics Provider
enumeration	Carrier
enumeration	Data Brokering Agent
enumeration	Nixie
enumeration	StartTheClock
enumeration	ContainerVisibility
enumeration	DeliveryPointValidation

6.181 simpleType: responsibleTransportationPartyType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Shipper
enumeration	Consignee

6.182 simpleType: RoutingZipCodeType

Tag	Mail.XML 8.0B
Base	xs:string

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maxLength	11
minLength	0

6.183 simpleType: s01

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	1
minLength	1
whiteSpace	preserve

6.184 simpleType: s02

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	2
minLength	1
whiteSpace	preserve

6.185 simpleType: s03

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	3
minLength	1
whiteSpace	preserve

6.186 simpleType: s04

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	4
minLength	1
whiteSpace	preserve

6.187 simpleType: s05

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	5
minLength	1
whiteSpace	preserve

6.188 simpleType: s06

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	6
minLength	1

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whiteSpace	preserve

6.189 simpleType: s07

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	7
minLength	1
whiteSpace	preserve

6.190 simpleType: s08

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	8
minLength	1
whiteSpace	preserve

6.191 simpleType: s09

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	9
minLength	1
whiteSpace	preserve

6.192 simpleType: s10

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	10
minLength	1
whiteSpace	preserve

6.193 simpleType: s11

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	11
minLength	1
whiteSpace	preserve

6.194 simpleType: s12

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	12
minLength	1
whiteSpace	preserve

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6.195 simpleType: s15

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	15
minLength	1
whiteSpace	preserve

6.196 simpleType: s16

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	16
minLength	1
whiteSpace	preserve

6.197 simpleType: s18

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	18
minLength	1
whiteSpace	preserve

6.198 simpleType: s20

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	20
minLength	1
whiteSpace	preserve

6.199 simpleType: s22

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	22
minLength	1
whiteSpace	preserve

6.200 simpleType: s25

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	25
minLength	1
whiteSpace	preserve

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6.201 simpleType: s28

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	28
minLength	1
whiteSpace	preserve

6.202 simpleType: s30

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	30
minLength	1
whiteSpace	preserve

6.203 simpleType: s31

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.204 simpleType: s37

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	37
minLength	1
whiteSpace	preserve

6.205 simpleType: s40

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	40
minLength	1
whiteSpace	preserve

6.206 simpleType: s45

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	45
minLength	1
whiteSpace	preserve

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6.207 simpleType: s50

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	50
minLength	1
whiteSpace	preserve

6.208 simpleType: s60

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	60
minLength	1
whiteSpace	preserve

6.209 simpleType: s64

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	64
minLength	1
whiteSpace	preserve

6.210 simpleType: s66

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	66
minLength	1
whiteSpace	preserve

6.211 simpleType: s72

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.212 simpleType: s80

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	80
minLength	1
whiteSpace	preserve

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6.213 simpleType: s255

Tag	Mail.XML 8.0B
Base	Removed
maxLength	
minLength	
whiteSpace	

6.214 simpleType: s256

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	256
minLength	1
whiteSpace	preserve

6.215 simpleType: s260

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	260
minLength	1
whiteSpace	preserve

6.216 simpleType: sackingBasisType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	0 = Piece Count
enumeration	1 = 20 lbs.
enumeration	2 = 125 Pieces
enumeration	3 = 15 lbs.
enumeration	4 = Both

6.217 simpleType: scheduledInductionDateType

Tag	Mail.XML 8.0B
Base	xs:date

6.218 simpleType: scheduledInductionTimeType

Tag	Mail.XML 8.0B
Base	xs:time

6.219 simpleType: segmentIDType

Tag	Mail.XML 8.0B
Base	Removed

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maxLength	
minLength	
whiteSpace	

6.220 simpleType: serviceLevelIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	F = Full-Service
enumeration	B = Basic
enumeration	P = POSTNET
enumeration	O = Other

6.221 simpleType: serviceCodeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	CM = Certified Mail
enumeration	COD = Collect on Delivery
enumeration	COM = Certificate of Mailing
enumeration	DC = Delivery Confirmation
enumeration	IM = Insured Mail
enumeration	PAL = Parcel Airlift
enumeration	RD = Restricted Delivery
enumeration	RM = Registered Mail
enumeration	RR = Return Receipt
enumeration	RRE = Return Receipt Electronic
enumeration	RRM = Return Receipt for Merchandise
enumeration	SC = Signature Confirmation
enumeration	SH = Special Handling

6.222 simpleType: ServiceTypeCodeType

Tag	Mail.XML 8.0B
Base	mailxml_base:ns03

6.223 simpleType: sortationLevelType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	CRD
enumeration	5DG
enumeration	CR5
enumeration	5DGS
enumeration	CR5S
enumeration	M5D
enumeration	M5DS
enumeration	MET

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enumeration	3DG
enumeration	CR3
enumeration	3DGS
enumeration	ADC
enumeration	AADC
enumeration	MADC
enumeration	MAAD
enumeration	SCF
enumeration	PSCF
enumeration	NDC
enumeration	PNDC
enumeration	MNDC
enumeration	ASF
enumeration	OMX
enumeration	PADC
enumeration	MRDC
enumeration	SP
enumeration	MXDS
enumeration	MXDA
enumeration	WORKING
enumeration	SINGLEPIECE
enumeration	SURFACE
enumeration	AIR
enumeration	LOCAL

6.224 simpleType: serviceSubCodeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	N = None or Not Bulk
enumeration	E = Electronic
enumeration	R = Retail or Registered
enumeration	T = Requested at Time of Mailing
enumeration	B = Bulk

6.225 simpleType: stateCode

Tag	Mail.XML 10.0	Mail.XML 8.0B
Base	xs:string	xs:string
enumeration	AA	AA
enumeration	AE	AE
enumeration	AP	AP
enumeration	AL	AL
enumeration	AK	AK
enumeration	AS	AS
enumeration	AZ	AZ
enumeration	AR	AR
enumeration	CA	CA
enumeration	CO	CO
enumeration	CT	CT
enumeration	DE	DE

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enumeration	DC	DC
enumeration	FM	FM
enumeration	FL	FL
enumeration	GA	GA
enumeration	GU	GU
enumeration	HI	HI
enumeration	IL	IL
enumeration	IN	IN
enumeration	IA	IA
enumeration	ID	ID
enumeration	KS	KS
enumeration	KY	KY
enumeration	LA	LA
enumeration	MH	MH
enumeration	MD	MD
enumeration	MA	MA
enumeration	MO	MO
enumeration	MI	MI
enumeration	MN	MN
enumeration	MS	MS
enumeration	MT	MT
enumeration	NE	NE
enumeration	NH	NH
enumeration	NV	NV
enumeration	NJ	NJ
enumeration	NM	NM
enumeration	NY	NY
enumeration	NC	NC
enumeration	ND	ND
enumeration	MP	MP
enumeration	OH	OH
enumeration	OR	OR
enumeration	OK	OK
enumeration	PW	PW
enumeration	PA	PA
enumeration	PR	PR
enumeration	RI	RI
enumeration	SC	SC
enumeration	SD	SD
enumeration	TN	TN
enumeration	TX	TX
enumeration	UT	UT
enumeration	VT	VT
enumeration	VI	VI
enumeration	VA	VA
enumeration	WA	WA
enumeration	WV	WV
enumeration	WI	WI
enumeration	WY	WY

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6.226 simpleType: statusType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Accepted
enumeration	Amended
enumeration	Cancelled
enumeration	Counterproposal
enumeration	New
enumeration	NoAction
enumeration	Original
enumeration	PartiallyAccepted
enumeration	Pending
enumeration	Rejected
enumeration	Replaced

6.227 simpleType: stopDesignatorType

Tag	Mail.XML 8.0B
Base	mailxml_base:s02

6.228 simpleType: surchargeType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	2 = Oversized Surcharge
enumeration	A = First-Class Mail Parcel Surcharge
enumeration	D = Dimensional Rate
enumeration	N = Not Oversized
enumeration	P = Balloon Surcharge
enumeration	E = Permit Reply Mail
enumeration	R = First-Class Mail Non-machinable Letters (0.0625 lbs or less)
enumeration	L = Detached Address Labels Used

6.229 simpleType: totalWeightType

Tag	Mail.XML 8.0B
Base	mailxml_base:s05

6.230 simpleType: trailerLengthType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	20ft
enumeration	40ft
enumeration	45ft

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enumeration	48ft
enumeration	53ft

6.231 simpleType: transportationMethodType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	USPS
enumeration	Mailer

6.232 simpleType: transShipBoLNumberType

Tag	Mail.XML 10.0	Mail.XML 8.0B
Base	mailxml_base:s05	mailxml_base:s05

6.233 simpleType: trayType

Tag	Mail.XML 10.0	Mail.XML 8.0B
Base	xs:string	xs:string
enumeration	MixedLengthTrays	MixedLengthTrays
enumeration	1ft Tray	1ft Tray
enumeration	2ft Tray	2ft Tray
enumeration	EMM Tray	EMM Tray
enumeration	Flat Tub	Flat Tub

6.234 simpleType: truckDispatchNumberType

Tag	Mail.XML 8.0B
Base	mailxml_base:s10

6.235 simpleType: unitLoadType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	CrossDockPallets
enumeration	WorkingPallets
enumeration	Trailers

6.236 simpleType: unloadStateType

Tag	Mail.XML 8.0B
Base	Removed
enumeration	
enumeration	
enumeration	

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6.237 simpleType: uOMType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	AirDryMetricTonne
enumeration	AirDryPercent
enumeration	AirDryShortTon
enumeration	Bale
enumeration	BoardFoot
enumeration	BookUnit
enumeration	Box
enumeration	Bundle
enumeration	C-Size
enumeration	Centimeter
enumeration	Cord
enumeration	CubicFoot
enumeration	CubicMeter
enumeration	Cubit
enumeration	Day
enumeration	DotsPerInch
enumeration	Foot
enumeration	Gallon
enumeration	Gram
enumeration	GramsPerSquareMeter
enumeration	Hour
enumeration	HundredBoardFeet
enumeration	HundredLinealFeet
enumeration	HundredPound
enumeration	HundredSquareFeet
enumeration	Inch
enumeration	Kilogram
enumeration	KilogramsPerDay
enumeration	KilogramsPerWeek
enumeration	KnownBreaks
enumeration	Layer
enumeration	Leaves
enumeration	LinearFoot
enumeration	LinesPerInch
enumeration	Load
enumeration	MagazineUnit
enumeration	Megabyte
enumeration	Meter
enumeration	MetricTon
enumeration	MetricTonsPerDay
enumeration	MetricTonsPerWeek
enumeration	Micron
enumeration	Millimeter
enumeration	Minute
enumeration	Month
enumeration	None
enumeration	Package
enumeration	Page

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enumeration	PagesPerInch
enumeration	PalletUnit
enumeration	Percentage
enumeration	PerThousand
enumeration	Picas
enumeration	Piece
enumeration	PixelsPerInch
enumeration	Pound
enumeration	PoundsPerDay
enumeration	PoundsPerHour
enumeration	PoundsPerWeek
enumeration	PulpUnit
enumeration	Ream
enumeration	Reel
enumeration	Set
enumeration	Sheet
enumeration	ShortTon
enumeration	ShortTonsPerDay
enumeration	ShortTonsPerHour
enumeration	ShortTonsPerWeek
enumeration	Signature
enumeration	Skid
enumeration	SquareInch
enumeration	SquareFeet
enumeration	SquareMeter
enumeration	ThousandBoardFeet
enumeration	ThousandLinealFeet
enumeration	ThousandPieces
enumeration	ThousandSquareCentimeters
enumeration	ThousandSquareFeet
enumeration	ThousandSquareInch
enumeration	Ton
enumeration	TonsPerHour
enumeration	Unit
enumeration	UnknownBreaks
enumeration	Week
enumeration	Yard

6.238 simpleType: uniqueContainerIDType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	12
minLength	1
whiteSpace	preserve

6.239 simpleType: userInformationLine1Type

Tag	Mail.XML 8.0B
Base	mailxml_base:s40

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6.240 simpleType: userInformationLine2Type

Tag	Mail.XML 8.0B
Base	mailxml_base:s40

6.241 simpleType: userLicenseCodeType

Tag	Mail.XML 8.0B
Base	xs:string
maxLength	4
minLength	1
whiteSpace	preserve

6.242 simpleType: uspsPickupType

Tag	Mail.XML 10.0	Mail.XML 8.0B
Base	xs:string	xs:string
enumeration	Y = Yes	Y
enumeration	N = No	N

6.243 simpleType: verificationLocationType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	BMEU
enumeration	DMU

6.244 simpleType: verificationReportType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	CSAVerification
enumeration	ContainerBarcodeVerification
enumeration	HandlingUnitBarcodeVerification
enumeration	PieceBarcodeVerification
enumeration	ByForConflictVerification
enumeration	ServiceTypeVerification
enumeration	AppointmentVerification
enumeration	MailerIDVerification
enumeration	All
enumeration	NoErrors

6.245 simpleType: wastedPieceIndicatorType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	W = Wasted
enumeration	S = Shortage
enumeration	X = Wasted piece and postage

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	adjustment should NOT be triggered
enumeration	T = Shortage pieces not produced and postage adjustment should NOT be triggered

6.246 simpleType: weekFrequencyType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Weekly
enumeration	Bi-Weekly
enumeration	First
enumeration	Second
enumeration	Third
enumeration	Fourth
enumeration	Fifth
enumeration	Sixth

6.247 simpleType: weightBreakType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	A = For standard Mail Non-Letters, Piece Weight is over 0.2063 lbs. For First-Class Mail Permit Reply, piece weight is over 0.0625 lbs.
enumeration	B = For standard mail, piece weight is 0.2063 lbs or less For First-Class Mail Permit Reply, piece weight is 0.0625 lbs or less.
enumeration	H = For standard Mail Letters, piece weight is over 0.2063 lbs
enumeration	N = None

6.248 simpleType: yesNo

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	Yes
enumeration	No

6.249 simpleType: zipCodeThreeOrFiveDigit

Tag	Mail.XML 8.0B
Base	xs:string
pattern	"[0-9]{3}|[0-9]{5}" - Space removed

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6.250 simpleType: zoneICType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	N = None
enumeration	M = [Future Placeholder]
enumeration	LC = Local
enumeration	1 = Zone 1 & 2
enumeration	3 = Zone 3
enumeration	4 = Zone 4
enumeration	5 = Zone 5
enumeration	6 = Zone 6
enumeration	7 = Zone 7
enumeration	8 = Zone 8
enumeration	ICD
enumeration	IC
enumeration	DDU
enumeration	SCF
enumeration	ADC
enumeration	

6.251 simpleType: onePassOrTwoPassType

Tag	Mail.XML 8.0B
Base	xs:string
enumeration	One
enumeration	Two

7. Appendix C - WSDLs and XSDs

The WSDL specification are posted on RIBBS® and can be downloaded from the following location:
http://ribbs.usps.gov/intelligentmail_guides/documents/tech_guides/xmlspec/wsdls/wsdls.htm

The above RIBBS® URL provides WSDLs for both TEM and production environments. User should always use this link to access the correct and updated version of WSDLs in future.
PULL WSDL LINKS FOR TEM ENVIRONMENT

To consume the WSDL services, the customer must use one of the following URLs in the TEM environments:

STRING-TYPE WSDL URL Link(s)

https://mailxmltem.uspspostalone.com/MLXMLServicesWeb/services/POAppointmentServices/wsdl/POAppointmentServices-MailXML60.wsdl

MESSAGE-TYPE WSDL URL Link(s)

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The following link supports Mail.XML 8.0B version:

https://mailxmltem.uspspostalone.com/MailXML80ALLMsgType/WebServices/wsdl/USPSMailXML80ALLMsgType.wsdl

The following link supports Mail.XML Modular Specification (9.x and above):

On the Modular XSD, we support following WSDL points based on the Messages Group (Mailing, Supply Chain, Transportation, Data Distribution, and Identification). The WSDL end-point for the message group will not change, will support multiple versions of Modular spec. In Release 25 – only Mailing, Supply Chain and Transportation (limited messages) will be supported.

Mailing:
https://mailxmltem.uspspostalone.com/Mailing/WebServices/wsdl/Mailing.wsdl

Supply Chain:
https://mailxmltem.uspspostalone.com/SupplyChain/WebServices/wsdl/SupplyChain.wsdl

Transportation:
https://mailxmltem.uspspostalone.com/Transportation/WebServices/wsdl/Transportation.wsdl

Data Distribution:
https://mailxmltem.uspspostalone.com/DataDistribution/WebServices/wsdl/DataDistribution.wsdl

Identification:
https://mailxmltem.uspspostalone.com/Identification/WebServices/wsdl/Identification.wsdl

PULL WSDL LINKS FOR PRODUCTION ENVIRONMENT

To consume the WSDL services, the customer must use one of the following URLs in the Production environments:

STRING-TYPE WSDL URL Link(s)

https://fast.uspspostalone.com/MLXMLServicesWeb/services/POAppointmentServices/wsdl/POAppointmentServices-MailXML60.wsdl

MESSAGE-TYPE WSDL URL Link(s)

The following link supports Mail.XML 8.0B version:

https://p1webservices.uspspostalone.com/MailXML80ALLMsgType/WebServices/wsdl/USPSMailXML80ALLMsgType.wsdl

The following link supports Mail.XML Modular Specification (9.x and above):

On the Modular XSD, we support following WSDL points based on the Messages Group (Mailing, Supply Chain, Transportation, Data Distribution, and Identification). The WSDL endpoint for the message group will not change, will support multiple versions of Modular spec. In Release 25 – only Mailing, Supply Chain and Transportation (limited messages) will be supported.

Mailing:
https://p1webservices.uspspostalone.com/Mailing/WebServices/wsdl/Mailing.wsdl

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Supply Chain:
https://p1webservices.uspspostalone.com/SupplyChain/WebServices/wsdl/SupplyChain.wsdl

Transportation:
https://p1webservices.uspspostalone.com/Transportation/WebServices/wsdl/Transportation.wsdl

Data Distribution:
https://p1webservices.uspspostalone.com/DataDistribution/WebServices/wsdl/DataDistribution.wsdl

Identification:
https://p1webservices.uspspostalone.com/Identification/WebServices/wsdl/Identification.wsdl

PUSH WSDLs INFORMATION

Customers interested in using the Push Subscription model to receive the data feedback automatically at a specified time to their servers must understand the following WSDL name change information for both string-type and message-type WSDLs:

STRING-TYPE PUSH WSDL

The customer need to provide URL for their Web Server and uses the following WSDL for all Mail.XML versions i.e. 8.0B. The String-type Push WSDL will retire after Mail.XML 9.0X release. USPS encourages users to move to message-type WSDL as soon as possible.

WSDL NAME: POCustomerMailXMLServices.wsdl

MESSAGE-TYPE PUSH WSDL

The customer need to provide URL for their Web Server and uses the following WSDL that only supports Mail.XML version 8.0B. The Message-type WSDL will be strictly implemented post Mail.XML 9.0X version

For Mail.XML 8.0 – following WSDL name shall be used:
WSDL NAME: UserMailXML80PushMsgType.wsdl
For Mail.XML 9.1 – following WSDL name shall be used:
WSDL NAME: UserMailXML90PushMsgType.wsdl

For Mail.XML 9.1 & 10.0 – following WSDL name shall be used:
WSDL NAME for Data Distribution: DataDistributionPush.wsdl
WSDL NAME for Transportation: TransportationPush.wsdl

PUSH MESSAGES XSD NAME CHANGES INFORMATION

The USPS is implementing new XSD name to support the Mail.XML 8.0B, Mail.XML 8.1, and Mail.XML 9.0B Push subscription messages. However, it will continue to support the existing XSD that will support Mail.XML 6.0D version. See below:

Old XSD Name: *PushUserProfileInfo.XSD*
Supported Versions: *Mail.XML 6.0D*

New XSD Name: *UserPushSubscriptionMsg.XSD*

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Supported Versions: *Mail.XML 8.0B, Mail.XML 9.0B, Mail.XML 10.0*

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INDEX

6

6.0D, 19, 20, 21, 23, 26, 28, 34, 41, 89, 99, 120

8

8.0B, 16, 17, 18, 19, 24, 28, 29, 32, 33, 34, 38, 41, 43, 44, 45, 48, 51, 52, 54, 56, 59, 61, 62, 63, 65, 66, 67, 69, 71, 73, 75, 78, 79, 80, 81, 83, 85, 86, 87, 89, 99, 100, 101, 112, 114, 115, 118, 119, 120, 122

A

AADC, 92
ACS, 177, 190
actual piece count, 97
Actual Piece Count, 97
AllApptCloseoutRequest, 36, 42
AllApptCloseoutResponse, 16, 22, 27, 36, 42, 45, 117
AllDeliveryApptCloseoutRequest, 27, 44, 90
appointment, 17, 18, 19, 22, 24, 28, 32, 33, 34, 35, 36, 37, 39, 40, 43, 44, 52, 54, 56, 57, 60, 61, 67, 77, 78, 79, 84, 86, 88, 89, 90, 91, 94, 95, 96, 97, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 118, 120, 122, 124, 126, 131, 132, 133, 134, 135, 137, 138, 139, 145, 146, 147, 151, 152
approved, 30
ApptResponseRetrievalRequest, 116
ASF, 92
authenticate, 31
automated, 101, 117, 118
AvailableSlots, 94, 125

B

barcode, 34, 95, 111
Bedload, 91, 105, 107, 108, 131, 152
BMC, 113
BMEU, 17, 43, 87, 88, 91
Bound Printed Matter, 59, 93
Business Customer Gateway, 33

C

cancelled, 182
Cast of Characters, 23
class, 20, 34, 91, 104, 108, 109
closeout. *See* Closeout
Closeout, 17, 18, 24, 32, 36, 43, 44, 104, 118
Consignee, 36, 40, 43, 60, 61, 77, 78, 79, 103, 104, 105, 106, 108
Consignee Appointment ID, 40, 104, 108
ConsigneeApptID, 46, 48, 51, 53, 54, 56, 62, 63, 65, 66, 68, 69, 71, 72, 73, 74, 75, 77, 78, 79, 81, 83, 85, 86, 94, 95, 99, 100, 103, 106, 107, 110, 129, 132, 133, 134, 135, 136, 137, 138, 139, 140, 142, 143
ConsigneeContentID, 81, 84, 85, 86, 95, 99, 100, 106, 107, 108, 129, 131, 152
ConsigneeGoodsReceipt, 27, 36, 42, 44, 46, 47, 48, 49, 118
container, 23, 28, 34, 43, 61, 77, 78, 94, 95, 111, 146, 151, 161
container barcodes, 28, 61
Corporate Scheduler ID, 111
Country, 93
create, 19, 20, 23, 32, 33, 34, 52, 57, 60, 61, 67, 69, 77, 78, 105, 109, 110, 112, 118, 145, 147, 152
CRID, 18, 24, 33, 35, 41, 44, 52, 58, 59, 60, 61, 78, 85, 87, 89, 90, 96, 99, 101, 110, 120, 149
CRIDs. *See* CRID
Cross Dock, 91, 92
CSA, 35, 58, 59, 60, 90, 115
CSAID, 35, 59, 60, 96, 101
Customer Registration ID. *See* CRID
CustomerSupplierAgreementQueryRequest, 27, 59, 89, 120
CustomerSupplierAgreementQueryResponse, 27, 59, 60, 90, 116

D

date range, 61, 110, 113, 114, 147
Delivery Content Query, 95, 109
Delivery Units, 112
DeliveryApptCancelCreateRequest, 27, 42, 61, 67, 68, 100
DeliveryApptCancelCreateResponse, 27, 42, 61, 76, 77, 114, 116
DeliveryApptCancelRequest, 27, 35, 42, 61, 65, 100, 105, 106, 109
DeliveryApptCancelResponse, 27, 42, 61, 73, 116
DeliveryApptCreateRequest, 27, 34, 37, 40, 41, 61, 62, 90, 96
DeliveryApptCreateResponse, 27, 34, 37, 41, 61, 69, 116
DeliveryApptQueryRequest, 27, 34, 42, 61, 66, 100
DeliveryApptQueryResponse, 27, 34, 42, 61, 75, 114, 116

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DeliveryApptShellCancelRequest, 27, 42, 52, 55, 56, 100, 105, 109
DeliveryApptShellCancelResponse, 27, 42, 52, 58
DeliveryApptShellCreateRequest, 20, 27, 40, 42, 52, 53, 90, 100
DeliveryApptShellUpdateRequest, 27, 36, 42, 52, 54, 100
DeliveryApptShellUpdateResponse, 27, 36, 42, 52, 57, 116
DeliveryApptUpdateRequest, 27, 35, 41, 61, 63, 100, 109
DeliveryApptUpdateResponse, 27, 35, 41, 61, 71, 116
DeliveryContentCancelRequest, 27, 37, 42, 78, 80, 101, 120
DeliveryContentCancelResponse, 27, 37, 42, 78, 83, 116
DeliveryContentCreateRequest, 18, 27, 33, 36, 37, 38, 39, 42, 78, 100, 101, 120
DeliveryContentCreateResponse, 27, 36, 37, 38, 39, 42, 78, 82, 116
DeliveryContentQueryRequest, 27, 37, 42, 78, 81, 89, 99, 101, 120
DeliveryContentQueryResponse, 27, 37, 42, 78, 83, 99, 117
DeliveryContentUpdateRequest, 18, 19, 27, 33, 37, 42, 78, 79, 100, 101, 107, 120
DeliveryContentUpdateResponse, 27, 37, 42, 78, 82, 116
Destination Entry, 35, 61
discounted, 22, 28
DMU, 43, 87, 88
dock utilization, 22, 28
drop ship, 20, 22, 28, 43, 44, 60, 61, 66, 78, 84, 85, 87, 88, 93, 97, 99, 100, 101, 108, 110, 111, 114
Drop Ship Product, 17, 91, 105, 107, 108, 112, 113
drop shipment, 20, 22, 28, 101, 115
drop shipped, 33
DropAndPick, 91

E

eDoc, 20, 24, 32, 34, 35, 39
eDocumentation. *See* eDoc
Effective Start Date, 107, 110
electronic, 23
Error Codes, 18, 20, 22, 103, 105, 109
eVS, 61, 77, 107
Exception, 16, 31
Exceptions, 18, 21, 31

F

Facilities Access and Shipment Tracking, 33
facility, 22, 28, 37, 38, 39, 61, 91, 98, 100, 103, 105, 106, 107, 108, 110, 112, 113, 114, 115, 125, 148
Facility Access & Shipment Tracking, 33
FAST, 1, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 28, 29, 32, 33, 34, 36, 37, 38, 39, 40, 41, 43, 44, 45, 48, 51, 52, 54, 56, 57, 58, 59, 60, 61, 63, 65, 66, 67, 69, 71, 73, 75, 77, 78, 79, 85, 86, 87, 88, 89, 90, 91, 95, 96, 97, 98, 99, 100, 101, 102, 103, 105, 107, 108, 109, 110, 111, 112, 114, 115, 116, 118, 120, 121, 122, 124, 126, 129, 131, 142, 144, 145, 147, 151, 152
First-Class, 19, 20, 43, 60, 61, 63, 65, 66, 87, 91, 92, 100, 101, 107, 108
Full Contents Transfer, 110
Full-Service, 17, 18, 19, 22, 24, 34, 39, 43, 61, 78, 85, 89, 90, 111, 115, 118, 197
FullServiceStartTheClockQueryRequest, 31

G

grace period, 112, 113

H

Hamper, 107

I

IDEAlliance, 23, 28, 34, 43, 97, 98, 100, 101, 103, 104, 105
IMCB, 17, 19, 40, 44, 61, 77, 90, 94
induction, 17, 22, 28, 107, 110
Intelligent Mail, 19, 30, 34, 61, 77, 79, 101, 111, 115

J

Joint Scheduling, 19, 36, 38

L

Library, 93
logistics, 22, 28, 36, 52, 54, 57, 96, 99, 102, 110, 113
Logistics, 101, 111

M

M Bags, 93
machinable, 158, 200
Mail Direction, 105, 107, 112, 113, 115
Mail Owner, 17, 18, 34, 35, 37, 38, 39, 96, 106, 109, 118
Mail preparer, 34, 35
Mail.dat, 17, 23, 24, 28, 29, 32, 34, 39, 90, 91, 96, 98, 104, 109
Mail.dat Transportation updates, 39, 90
Mail.XML, 1, 16, 17, 18, 19, 20, 21, 23, 24, 26, 28, 29, 30, 31, 33, 34, 35, 37, 38, 39, 40, 41, 43, 44, 45, 48, 51, 52, 54, 56, 58, 59, 60, 61, 62, 63, 65, 66, 67, 69, 71, 73, 75, 77, 78, 79, 80, 81, 83, 84, 85, 86, 87, 89, 90, 94, 95, 96, 99, 100, 101, 103, 110,114, 115, 116, 117, 118, 119, 120, 122, 153, 154, 155, 156, 157, 158, 159, 160, 161, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209
Mail.XML 4.0, 34, 99, 118, 119
Mail.XML 6.0, 101, 118, 119
Mail.XML 8.0, 99, 100, 118, 119
Mailers, 22, 23, 28, 32, 109

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manifest, 24
Media, 93
message, 17, 18, 20, 23, 28, 29, 39, 40, 41, 44, 45, 48, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 71, 73, 75, 77, 78, 79, 80, 81, 85, 86, 87, 88, 89, 90, 93, 95, 96, 97, 98, 99, 100, 101, 106, 107, 108, 109, 112, 114, 115, 116, 117, 118, 120, 121, 132, 133, 134, 137, 140, 142, 147, 149
MessageResponseRetrievalRequest, 27, 116
MessageResponseRetrievalResponse, 27
Mixed ADC, 92
MLOCR, 24, 176, 190

N

NASS Code, 105, 107, 112, 113
NDC, 107, 113, 114
No Show, 61

O

One time, 35, 61, 63, 65
One Time Appointment. *See* one-time
one-time, 19, 20, 34, 52, 61, 77, 84, 85, 95, 100
Origin Entry, 20, 41, 61, 63, 65, 66, 78, 79, 84, 85, 87, 93, 97, 100, 101, 102, 109, 110, 111, 115

P

Package Services, 19, 20, 59, 60, 61, 63, 65, 66, 93, 100, 101, 104, 105, 107, 110, 111, 158, 174
Pallet, 44, 91, 101, 105, 106, 107, 108, 147
PalletPresortType, 146
Pallets, 97, 105, 131, 152, 157, 158, 161
PalletUnitType, 147
Parcel Post, 93
Parcel Select, 93
parcels, 61, 77
Partner Appointment Query, 35, 84, 85, 96
PartnerApptQueryRequest, 27, 35, 36, 42, 84, 85, 110, 120, 121
PartnerApptQueryResponse, 27, 35, 36, 42, 84, 86, 117
password, 116, 120
Password, 30
Periodicals, 19, 20, 38, 43, 60, 61, 63, 65, 66, 91, 100, 101, 104, 106, 107, 113, 158, 168, 171, 174, 182, 186
Perishable, 98, 104, 105, 110, 125, 131, 148, 152
pieces, 205
postage, 204, 205
Postage, 24, 154, 175, 185
postage statements, 23, 24
PostalOne!, 17, 19, 23, 28, 29, 30, 32, 33, 34, 36, 39, 40, 77, 90, 91, 98, 99, 100, 105, 109, 110, 112, 114, 115, 116, 117, 118, 120, 122, 124, 145, 148, 161
PostalOne! system
overview, 23
Presort, 91, 92, 97, 104, 106
presorts, 97
Processing Categories, 91

Q

qualification reports, 23, 24

R

R, 39, 90, 92, 95, 99
Rapid Information Bulletin Board System. *See* RIBBS
recurring, 17, 19, 20, 34, 35, 38, 39, 40, 52, 57, 58, 60, 61, 63, 65, 66, 77, 87, 88, 90, 95, 96, 99, 100, 101, 102, 107, 108, 109, 110, 113, 114, 115, 147
Recurring Appointment, 35, 38, 39, 59, 87, 90, 96, 110, 113, 114
RecurringApptQueryRequest, 27, 38, 40, 42, 87, 88, 90, 120, 121
RecurringApptQueryResponse, 27, 38, 42, 87, 88, 117
redirection, 112, 113, 115
registered, 31
Reports, 34
ReturnInfo block, 94, 95, 96, 105, 112, 114
RIBBS, 16, 29, 30, 34, 117

S

scenarios, 20, 60, 77, 99
Scheduled Induction Date, 40, 107
Scheduler, 18, 32, 35, 36, 78, 90, 96, 98, 99, 100, 103, 105, 106, 107, 108, 109, 110, 111, 118, 120
Scheduler CRID, 120
SchedulerContent ID, 118
SchedulerContentID, 81, 84, 85, 86, 99, 100, 107, 108, 129, 131, 145, 152
SchedulerCorpID, 40, 41, 42, 43, 44, 46, 48, 51, 53, 54, 56, 62, 63, 65, 66, 68, 69, 71, 72, 73, 74, 75, 78, 79, 80, 81, 84, 85, 86, 98, 101, 120, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 143
SchedulerID, 18, 33, 40, 41, 42, 43, 44, 46, 48, 51, 53, 54, 56, 62, 63, 65, 66, 69, 71, 72, 73, 74, 75, 78, 79, 80, 81, 84, 85, 86, 87, 89, 90, 98, 99, 100, 101, 107, 120, 121, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 143, 149
shape, 34, 91, 103, 108
Shell, 20, 41, 52, 59, 95, 110, 120
sibling barcode, 61
sibling containers, 77
SiblingBarcode, 97, 98, 151
single Entity, 34, 35
Single Piece, 93
SOA, 23
SOAP, 115
specification, 18, 21, 22, 23, 28, 29, 30, 91, 97, 98, 100, 101, 103, 104, 105, 117, 118, 122
Speedline, 91, 105, 106, 107, 108
stand-alone content, 77, 99, 102, 108

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stand-alone contents, 61, 110
Standard, 19, 20, 38, 60, 61, 63, 65, 66, 91, 100, 101, 105, 107, 113, 114
Standard Mail, 158, 168, 171, 174, 187
StartTheClockQueryRequest, 30
SubmittingParty, 29, 40, 45, 53, 55, 56, 59, 62, 64, 65, 68, 78, 80, 81, 85, 88, 90, 99, 115, 149

T

TEM, 17, 23
Test Environment for Mailers Checklist and Troubleshooting Guide, 30
The Bill of Lading Number, 113
tracking ID, 106, 115
transactions, 30
Transporter, 34, 35, 36, 37, 38, 39
Trays, 157, 161
truck length, 107, 112, 113

U

UniqueContainerBarcode, 97, 98, 145, 151, 152
UniqueContainerBarcodes. *See* UniqueContainerBarcode
UnscheduledConsigneeGoodsReceipt, 27, 36, 40, 42, 44, 47, 51, 118, 119
UPD, 185
Urban Direct, 93
USPS, 22, 23, 24, 28, 29, 30, 31, 32, 33, 36, 38, 39, 43, 89, 91, 93, 97, 98, 100, 103, 104, 105, 113, 114, 116, 117, 118, 146, 201, 208
USPSSummary, 18, 32, 96, 97, 98, 100, 105, 106, 109, 144, 145, 147, 152
USPSSummaryBlock, 95, 96

V

VerificationZip4, 98, 145, 152

W

Web Services, 17, 21, 22, 23, 28, 33, 34, 58, 59, 91, 98, 100, 101, 102, 103, 105, 106, 116, 118, 120
WSDL, 17, 19, 20, 21, 22, 23, 30, 31, 106, 109, 116, 117, 206, 207, 208
WSDLs. *See* WSDL

X

XSD, 16, 17, 21, 23, 29, 105, 109, 117, 122

Y

yard management, 22, 28

Z

Zip Code, 91
Zone, 206
zone skipping, 34, 43

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