# IDX UK XML REFERENCE GUIDE

**Specification**

The following section represents the key parameters controlling the operation of both outbound and inbound interfaces.

|  |  |  |
| --- | --- | --- |
| **Item** | **Description** | **Default/Preference** |
| 1 | Exchange File Format [Outbound & Inbound] | XML – enforcing w3 standards |
| 2 | XML default encoding declaration  | “UTF-8” |
| 3 | Outbound file content based on [XSD]:Available on request from INTO | student\_course\_schema\_ob.xsdVersion 5.1 – May 2016 |
| 4 | Inbound file content based on [XSD]:Available on request from INTO | Student\_course\_schema\_ib.xsdVersion 2.1 May 2016 |
| 3 | Filename convention – OutboundFrom INTO to Institution  | *abc*\_sc\_yyyymmdd\_*99999*.xml, where*abc* = centre designation e.g. NCL*99999* = auto-incremented numeric sequence |
| 4 | Filename convention – InboundFrom Institution to INTO  | abc\_sc\_yyyymmdd\_9999.xmlabc= centre designation e.g. EXE99999=auto-incremented numeric sequence |
| 5 | Outbound file locationFrom INTO to the Institution | *abc*idx\OutTray\where *abc* is centre designator |
| 6 | Outbound archive locationLocation for used/processed XML files | *abc*idx\OutTray\Archivewhere *abc* is centre designator |
| 7 | Inbound file location  | *abc*idx\InTray\where *abc* is centre designator |
| 8 | Inbound archive location | *abc*idx\InTray\Archivewhere *abc* is centre designator |
| 9 | Records per file | One [Nb: No Update - No Send / No empty files] |
| 10 | sftp Normal Operation Hours | 24/7 |
| 11 | Data Interface Files produced [From INTO] | 07:00 to 22:00 |
| 12 | Files from partners imported into staging tables | Within 5 minutes of delivery – 24/7 |
| 13 | Data transferred from staging into Salesforce | Daily, at 6 minutes past the hour, between 0700 - 2200 |
| 14 | Outbound interface send frequency. The Institution has the choice of send options:  | Options: -[1[ Once a day at a specific time[2] At specified intervals during the day [3] Real-time |
| 15 | Inbound interface send frequency from Institution to INTO | Preference: Real-time |

**Outbound File Content (Example)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Name** | **Type** | **Use** | **Max** | **Default** | **Comment** |
| 1 | institute\_id | xs:string | required | 5 |  **INTO** | Hard codedrepresenting the institute i.e. INTO |
| 2 | source\_id | xs:string | required | 6 | **INTO** | Hard coded representing the source system |
| 3 | rec\_type | xs:string | required | 8 |  STD\_CRSE | Hard coded Standard course |
| 4 | method\_of\_attendance | xs:string | required |   |   | n/a |
| 5 | method\_of\_study | xs:string | required |   | F | F (Full-Time), P (Part Time)  |
| 6 | student\_type | xs:string | required | 3 |   | n/a |
| 7 | rec\_status | xs:string | required | 6 |   | Enrolment Status Code; P / CR / C / X  |
| 8 | scj\_code | xs:string | required | 15 |   | Student/Crs join |
| 9 | **operation** |   | required |  |   | Operation type **I** insert, **U** update or **D** de-activate |
| 10 | change\_id | xs:string | optional |   |   | Change sequence id – unique trans Id |
| 11 | operation\_date | xs:date | optional |  Std UTF-8  |   | Date stamp: date update occurred |
| 12 | src\_last\_updated | xs:date | optional |   |   | Optional Date stamp: date/time operation occurred |
| 13 | student\_number | xs:string | required | 15 |   | INTO student number |
| 14 | title | xs:string | required | 12 |   | Student title |
| 15 | first\_forename | xs:string | required | 30 |   | Student first name |
| 16 | other\_forenames | xs:string | optional | 60 |   | Student middle name |
| 17 | preferred\_forename | xs:string | required | 30 |   | Student first name |
| 18 | initials | xs:string | required | 8 |   | Student initials |
| 19 | surname | xs:string | required | 40 |   | Student Surname |
| 20 | previous\_surname | xs:string | optional | 40 |   | Student previous surname |
| 21 | date\_of\_birth | xs:date | required |   |   | Student date of birth |
| 22 | Sex | xs:string | required |   |   | Student gender M/F |
| 23 | contact\_addr\_line1 | xs:string | optional | 50 |   | Address line 1 |
| 24 | contact\_addr\_line2 | xs:string | optional | 50 |   | Address line 2 |
| 25 | contact\_addr\_line3 | xs:string | optional | 50 |   | Address line 3 |
| 26 | contact\_addr\_line4 | xs:string | optional | 100 |   | Address line 4 + 5 |
| 27 | contact\_postcode | xs:string | optional | 12 |   | Post Code |
| 28 | contact\_phone | xs:string | optional | 35 |   | Contact Tel Number |
| 29 | contact\_email | xs:string | optional | 255 |   | Contact Email Address |
| 30 | home\_addr\_line1 | xs:string | required | 50 |   | Home Address line 1 |
| 31 | home\_addr\_line2 | xs:string | optional | 50 |   | Home Address line 2 |
| 32 | home\_addr\_line3 | xs:string | optional | 50 |   | Home Address line 3 |
| 33 | home\_addr\_line4 | xs:string | optional | 100 |   | Home Address line 4 + 5 |
| 34 | home\_postcode | xs:string | required | 12 |   | Home Post Code |
| 35 | home\_phone | xs:string | optional | 35 |   | Home Tel Number |
| 36 | home\_email | xs:string | optional | 255 |   | Home Email Address |
| 37 | hesa\_no | xs:string | optional | 14 |   | n/a |
| 38 | course\_code | xs:string | required | 15 |   | Course Code [SCJ] |
| 39 | accom\_type | xs:string | optional | 2 |   | n/a |
| 40 | year\_of\_study | xs:int | required |   |  1 | Hard coded |
| 41 | School | xs:string | required | 10 | INTO | Hard coded |
| 42 | course\_start | xs:date | required |   |   | Course Start Date |
| 43 | course\_end | xs:date | required |   |   | Course End Date |
| 44 | expected\_course\_end | xs:date | required |   |   | Expected Course End Date |
| 45 | qualification\_aim | xs:string | optional | 8 |   | n/a |
| 46 | course\_leave\_date | xs:string | optional |   |   | Course Leave Data |
| 47 | course\_leave\_reason | xs:string | optional |   |   | Course Leave Reason Code |
| 48 | intercal\_end | xs:date | optional |   |   | n/a |
| 49 | intercal\_start | xs:date | optional |   |   | n/a |
| 50 | year\_of\_registration | xs:string | required | 36 |   | Registration Year |
| 51 | fee\_status | xs:string | optional |   |   | C (Channel Isles) , E (EU) , H (Home) , ) (Overseas) , S (Special) , Z (unknown) |
| 52 | advisor\_id | xs:string | optional | 12 |   | n/a |
| 53 | year\_of\_block | xs:string | optional | 2 |   | Year of Block e.g. 01 / 02 |
| 54 | fee\_status\_code | xs:string | optional | 6 |  | n/a |
| 55 | start\_year |   |   |   |   | n/a |
| 56 | ins\_stu\_code | xs:string | required | 12 |   | The student's code at the partner institution |
| 57 | ins\_email | xs:string | required |   |   | The student's email address at the partner institution |
| 58 | course\_name | xs:string | required | 50 |   | The name of the course |
| 59 | photo\_url | xs:string | required |   |   | The URL of the image for the student |
| 60 | sequence\_number | xs:string | required |   |   | Sequence number of the file |
| 61 | agent\_code | xs:string | required | 15 |   | Agent Code |
| 62 | capDcd2 | xs:dateTime | optional |   |   | Decision Dt 2 |
| 63 | capDcd3 | xs:dateTime | optional |   |   | Decision Dt 3 |
| 64 | capDec1 | xs:string | optional |   |   | Decision 1 |
| 65 | capDec2 | xs:string | optional |   |   | Decision 2 |
| 66 | capDec3 | xs:string | optional |   |   | Decision 3 |
| 67 | capDecd | xs:dateTime | optional |   |   | Decision Dt  |
| 68 | capRsd2 | xs:dateTime | optional |   |   | Resp Dt 2 |
| 69 | capRsd3 | xs:dateTime | optional |   |   | Resp Dt 3 |
| 70 | capRsp1 | xs:string | optional |   |   | Response 1 |
| 71 | capRsp2 | xs:string | optional |   |   | Response 2 |
| 72 | capRsp3 | xs:string | optional |   |   | Response 3 |
| 73 | capRspd | xs:dateTime | optional |   |   | Resp Dt |
| 74 | contactAddressCountry | xs:string | required | 6 |   | Contact Add Country ISO code 2 chr |
| 75 | Count | xs:int | required |   |   | n/a |
| 76 | country\_of\_birth | xs:string | optional |   |   | Country ISO code 2 chr |
| 77 | country\_of\_domicile | xs:string | optional |   |   | Country ISO code 2 chr |
| 78 | enrolment\_status | xs:string | required | 6 |   |  Enrolment Status Code; P / CR / C / X |
| 79 | forename3 | xs:string | required | 30 |   |  Forename 3 |
| 80 | homeAddressCountry | xs:string | required | 6 |   | Home Addr Country ISO Code 2 Chr |
| 81 | insCapApfs | xs:string | required |   |   | n/a |
| 82 | insCapSeqn | xs:string | required |   |   | n/a |
| 83 | insMstCode | xs:string | required |   |   | n/a |
| 84 | insPptSeqn | xs:int | required |   |   | Passport Sequence No |
| 85 | insSceScjc | xs:string | required |   |   | Student/Crs Join code  |
| 86 | insSceSeq2 | xs:string | required |   |   | n/a |
| 87 | insScjCode | xs:string | required |   |   | Student/Crs Join code |
| 88 | insSpdSeqn | xs:string | required |   |   | n/a |
| 89 | insSprCode | xs:string | required |   |   | Student/Crs Join code |
| 90 | insVisSeqn | xs:int | required |   |   | Visa Sequence No |
| 91 | intoCapApfs | xs:string | required | 2 |   | n/a |
| 92 | intoCapSeqn | xs:string | required | 2 |   | n/a |
| 93 | intoPptSeqn | xs:int | required |   |   | n/a |
| 94 | intoSceScjc | xs:string | required | 12 |   | n/a |
| 95 | intoSceSeq2 | xs:string | required | 2 |   | n/a |
| 96 | intoScjCode | xs:string | required | 15 |   | n/a |
| 97 | intoSpdSeqn | xs:string | required | 3 |   | n/a |
| 98 | intoSprCode | xs:string | required | 15 |   | n/a |
| 99 | intoVisSeqn | xs:int | required |   |   | n/a |
| 100 | mcr\_code | xs:string | required | 15 |   | External Crs Code  |
| 101 | Nationality | xs:string | optional |   |   | Country ISO code: 2 chr |
| 102 | nhs\_student | xs:short | optional |   |   | n/a |
| 103 | passport\_no | xs:string | required | 12 |   | Passport No |
| 104 | ppt\_expd | xs:date | required |   |   | Passport Expiry Date |
| 105 | ppt\_issd | xs:date | required |   |   | Passport Issue Date  |
| 106 | ppt\_name | xs:string | required | 100 |   | Passport – Name |
| 107 | ppt\_note | xs:string | required | 1000 |   | Passport Note |
| 108 | ppt\_plob | xs:string | required | 30 |   | Passport Place of Birth |
| 109 | ppt\_ploi | xs:string | required | 30 |   | Passport Place of Issue  |
| 110 | ppt\_pptn | xs:string | required | 35 |   | Passport Number |
| 111 | Programme | xs:string | required | 12 |   |  n/a |
| 112 | rft\_code | xs:string | required | 6 |   | Reason for Transfer Code |
| 113 | Route | xs:string | required | 12 |   |  n/a |
| 114 | term\_time\_add\_line1 | xs:string | required | 50 |   | Term-time address line 1 |
| 115 | term\_time\_add\_line2 | xs:string | required | 50 |   | Term-time address line 2 |
| 116 | term\_time\_add\_line3 | xs:string | required | 50 |   | Term-time address line 3 |
| 117 | term\_time\_add\_line4 | xs:string | required | 50 |   | Term-time address line 4 |
| 118 | term\_time\_add\_postcode | xs:string | required | 12 |   | Term-time postcode |
| 119 | term\_time\_mobno | xs:string | required | 35 |   | Term-time mobile phone |
| 120 | term\_time\_telno | xs:string | required | 35 |   | Term-time Tel Number |
| 121 | vis\_appd | xs:date | required |   |   | Visa Applied Date |
| 122 | vis\_begd | xs:date | required |   |   | Visa Start Date  |
| 123 | vis\_expd | xs:date | required |   |   | Visa Expiry Date |
| 124 | vis\_issd | xs:date | required |   |   | Visa Issued Date |
| 125 | vis\_note | xs:string | required | 1000 |   | Visa Note |
| 126 | vis\_rend | xs:date | required |   |   |  n/a |
| 127 | vis\_stat | xs:string | required | 6 |   |  n/a |
| 128 | vis\_udf1 | xs:string | required | 15 |   | Visa Type – e.g. Tier 4 (General) |
| 129 | vis\_visn | xs:string | Required | 35 |   | Visa Number  |
| 130 | vis\_type | xs:string | Optional |   |   | Visa Type Code |
| 131 | cas\_type | xs:string | Optional |   |   | CAS |
| 132 | cas\_no | xs:string | Optional | 14 |   | CAS Number |
| 133 | cas\_status | xs:string | Optional | 10 |   | CAS Status:USED / ASSIGNED / WITHDRAWN |
| 134 | cas\_begd | xs:Date | Optional |   |   | Date from  |
| 135 | cas\_expd | xs:string | Optional |   |   | Date to  |
| 136 | cas\_issd | xs:string | Optional |   |   | Date Issued |
| 137 | cas\_prgm | xs:string | Optional |   |   | Course Code |
| 138 | vis\_prgm | xs:string | Optional |   |   | Course Code |
| 139 | nok\_name | xs:string | Optional | 80+8 |   | Next of Kin name |
| 140 | nok\_rel | xs:string | Optional | 80+8 |   | Next of Kin Relationship |
| 141 | nok\_phone | xs:string | Optional | 80 |   | Next of Kin Phone No |
| 142 | nok\_add\_line1 | xs:string | Optional | 80 |   | Next of KinAddress Line 1 |
| 143 | nok\_add\_line2 | xs:string | Optional | 80 |   | Next of KinAddress Line 2 |
| 144 | nok\_add\_line3 | xs:string | Optional | 80 |   | Next of KinAddress Line 3 |
| 145 | nok\_add\_line4 | xs:string | Optional | 80 |   | Next of KinAddress Line 4 |
| 146 | nok\_postcode | xs:string | Optional | 20 |   | Next of KinPostcode |
| 147 | nok\_country | xs:string | Optional | 6 |   | Next of KinCountry ISO 2 chr |
| 148 | Vignette | xs:string | Optional | 1 |   | Vignette Entry Doc YES/NO |
| 149 | Ethnicity\_code | xs:string | Optional | 80 |   | Ethnicity Typee.g. Chinese / Arab |
| 150 | Disability\_code | xs:string | Optional | 6 |   | Coded value e.g. 01 = No Disablity |
| 151 | Criminal\_Conviction | xs:string | Optional | 10 |   | Yes / No / Blank |
| 152 | Parental\_education | xs:string | Optional | 20 |   | Yes / No / Don’t Know / Blank |
| 153 | Accommodation\_type | xs:string | Optional | 20 |   | Residence / Homestay / Blank / Own Arrangements |

**Inbound File Content (Example)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Name** | **Type** | **Use** | **Max** | **Default** | **Comment** |
| 1 | institute\_id | xs:string | required | 30 | INTO  | Hard coded |
| 2 | source\_id | xs:string | required | 30 | SITS | Hard coded |
| 3 | rec\_type | xs:string | required | 30 | STD\_CRSE  | Hard coded |
| 4 | operation | xs:string | required | 1 |  U | Hard coded |
| 5 | change\_id | xs:string | required | 30 |   | Sequence value |
| 6 | operation\_date | xs:date | required |   |   | Date file created xml ISO format |
| 7 | src\_last\_updated | xs:date | required |   |   | Date record last updated |
| 8 | student\_number | xs:string | required | 30 |   | INTO's student code, as sent in output file |
| 9 | ins\_stu\_code | xs:string | required | 30 |   | Student code at partner institution |
| 10 | ins\_email | xs:string | optional | 50 |   | Student email address at partner institution \* |
| 11 | Photo\_url | Xs:string | Optional | 200 |   | n/a redundant |