

BULK DATA TRANSFER: ADDITIONAL VALIDATION FOR CAS UPLOAD

1. Introduction

This document is designed to provide sponsors and their IT providers with the information required to design systems to create XML data files for upload into Bulk Data Transfer processes in the Sponsorship Management System (SMS).

This document lists the specific data format checks which are carried out by SMS during Bulk Data Transfer upload and migrant reporting operations. The format of the file required to facilitate BDT is XML Schema Definition (XSD).

This document does not contain all valid reference data values, as required in certain fields. For more information please refer to the 'Bulk Data Transfer - reference data valid from 1 October 2014' document.

Please note: the BDT schema has not been amended to require the English language and academic progression fields to be completed in order for files to upload. However, as these fields are mandatory in SMS, any CAS that do not contain this mandatory data will not be assignable until the information has been entered manually.

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2. CAS Data Upload

2.1 XML Validation

The XML file implements basic validation of the data upload, e.g. Mandatory Field, Basic enumeration.

2.2 Additional validation

The following table gives details of the field validation applied by SMS on upload of the data file.

All strings are trimmed of any white space before or after meaningful characters. If the string is empty after the white space is trimmed, that field will fail validation (if mandatory).

Field	Mandatory?	Error Validation if field provided (cannot be overridden)	Additional Validation
Sponsor Licence Number	Y	Must be a valid sponsor licence number belonging to the sponsor in question	
Family Name	Y		
Given Name	N		
Other Name(s)	N		
Date of Birth	Y	Must be a date in the past, which adheres to the rules for potentially partial date structure as described in the XSD	
Gender	Y		
Nationality	Y	Must match a current valid Nationality as defined in reference data, or the string "STATELESS"	
Place Of Birth	N		
Country Of Birth	Y	Must match a current valid Country as defined in reference data	
Passport or Travel Document Number	Y		
Applicant ID	N		
UCAS or UKPASS ID	N		
Application ID	N		
Course Curriculum Title	Y		
Course ID	N		
Course Level	Y	Tier 4 General: Must match a current valid course level as defined in reference data Tier 4 Child: Free text	
Secondary course level	N		
Course Start Date	Y	<ul style="list-style-type: none"> Can be date in the past, the 	

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		current date or a future date <ul style="list-style-type: none"> Must not be after Expected Course End Date 	
Expected Course End Date	Y	<ul style="list-style-type: none"> Must not be before today's date Must not be before Course Start Date 	
Latest Date For Acceptance On Course	N	<ul style="list-style-type: none"> Must not be before today's date Must not be before Course Start Date Must not be after Expected Course End Date 	
Is Course Full Time?	Y		
Course Hours Per Week	Y		
Course Requires ATAS?	Y		
Postgraduate Dean Certificate Required?	Y		
Main Study Address	Y		
SELT Required	Y	Must be either: <ul style="list-style-type: none"> true false 	<p>If true, must provide:</p> <ul style="list-style-type: none"> English Language level attained; and English Language Test Provider <p>If false, must provide:</p> <ul style="list-style-type: none"> Reason not Required
Reason not Required	N	If provided: Must be one of the values defined in reference data	Must be provided if SELT Required is false
English Language level attained	N	If provided: Must be one of the values defined in reference data	Must be provided if SELT Required is true
SELT – Speaking	N	Free text	
SELT – Listening	N	Free text	
SELT – Reading	N	Free text	
SELT – Writing	N	Free text	
English Language Test Provider	N	If provided: Must be one of the values defined in reference data	Must be provided if SELT Required is true
Previous UK study	Y	Must be either: <ul style="list-style-type: none"> true false 	If true, Course progression must be provided
Course progression	N	If provided: Must be one of the values defined in reference data	<p>Must be provided if Previous UK student is provided as true</p> <p>If SAME or LOWER, Progression text must be provided</p>
Progression Text	N		Must be provided if Course Progression is provided and equals Lower or Same
Documents Used To	Y		

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Obtain Offer			
Accommodation Provided?	Y		
Course Fee Includes Accommodation Costs?	Y		
Course Fees For First Year Only	Y		
Course Fees Paid To Date	N		
Accommodation Fees Paid To Date	N		
Boarding Fees For First Year Only	Y		
Boarding Fees Paid To Date	N		
Applicant Has Work Placement?	Y		
Work Placement Percentage	N	If provided: Must be one of the values defined in reference data	
Work Placement Text	N		Must be provided if work placement percentage is provided and is above 33%.
Work Placement Address	N	If the country code given for the address is 'GBR' then the field is validated against the UK postcode regular expression (see section 3) If the address is given as other than 'GBR' it must match the ISO standard	
Partner Institution Name	N		
Partner Institution Sponsor License Number	N		
Partner Institution Address	N	If the country code given for the address is 'GBR' then the field is validated against the UK postcode regular expression (see section 3) If the address is given as other than 'GBR' it must match the ISO standard	
Overseas Higher Education Institution Name	N		
Overseas Higher Education Institution Address	N	If the country code given for the address is 'GBR' then the field is validated against the UK postcode regular expression (see section 3) If the address is given as other than 'GBR' it must match the ISO standard	

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2.3 Detailed cross field validation

The following are the acceptable combinations of values in the English language qualification, Progression details and Work placement details sections of the CAS. Any other combinations will be marked with warning errors.

English language

SELT Required	English Language Level Attained	English Language Test Provider	Reason SELT not Required
Not provided	CAS not assignable	CAS not assignable	CAS not assignable
True	Provided	Provided	Not Provided
False	Not Provided	Not Provided	Provided

Progression details

Previously UK student	Previous Academic Level	Current Previous Course Level Comparison	Progression Justification Text
Not provided	CAS not assignable	CAS not assignable	CAS not assignable
True	Provided	HIGHER	Not Provided
True	Provided	SAME or LOWER	Provided
False	Not provided	Not provided	Not provided

Work placement details

Applicant has Work Placement	Work Placement Percentage	Work Placement Percentage Justification Text
True	Not provided	Not provided
True	Below or on threshold	Not provided
True	Above threshold	Provided
False	Not provided	Not provided

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3. UK Postcode Regular Expression

The following is the UK Postcode Regular Expression and the corresponding detail explaining the logic behind the UK Postcode Regular Expression.

3.1 Expression

```
^([Gg][Ii][Rr] 0[Aa]{2})|((([A-Za-z][0-9]{1,2})|([A-Za-z][A-Ha-hJ-Yj-y][0-9]{1,2})|([A-Za-z][0-9][A-Za-z])|([A-Za-z][A-Ha-hJ-Yj-y][0-9]?[A-Za-z]))) [0-9][A-Za-z]{2})$
```

3.2 Logic

- "GIR 0AA"
- OR
- One letter followed by either one or two numbers
- OR
- One letter followed by a second letter that must be one of ABCDEFGHJ
KLMNOPQRSTUVWXYZ (i.e..not I) and then followed by either one or two
numbers
- OR
- One letter followed by one number and then another letter
- OR
- A two part post code
 - where the first part must be
 - One letter followed by a second letter that must be one of ABCDEFGH
JKLMNOPQRSTUVWXYZ (i.e..not I) and then followed by one number and
optionally a further letter after that
- AND
- The second part (separated by a space from the first part) must be One
number followed by two letters.

A combination of upper and lower case characters is allowed.

Note: the length is determined by the regular expression and is between 2 and 8 characters.

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4. CAS Migrant Reporting Additional Validation

4.1 Validation

Below is the Migrant reporting additional validation detail:

- The Confirmation of Acceptance for Studies (CAS) number must exist
- The Sponsor must own the CAS
- The CAS status must have a status of 'Used'
- The CAS activity history must be less than the configured value of 100
MAX_ACTIVITY_REPORTS_FOR_CAS **
- A CAS cannot be reported against twice in the same upload file
- A CAS cannot be reported against, which has already been reported against on the same day (i.e. on the same date, rather than any 24 hour period)

**** When reporting activity against a migrant through Bulk Migrant Reporting, if any CAS record within the file already has 100 reports against it, this will cause the whole upload file to fail.**

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5. CAS Duplicates

5.1 Introduction

Where the BDT upload identifies a duplicate CAS record it will warn the user but otherwise allow the operation to continue. The following conditions will generate a warning:

Within these conditions another CAS is defined as one of the following:

- any other record in the bulk data upload file
- any existing pre-CAS
- any assigned CAS within the sponsor's SMS account

5.2 Duplicate Conditions

EITHER

- This CAS record has APPLICATION ID defined

AND

- This APPLICATION ID is an exact match of APPLICATION ID in another CAS

OR

- This CAS record does not have APPLICATION ID defined

AND

- The following fields match exactly their counterparts in another CAS:
 - APPLICANT ID
 - CURRICULUM COURSE TITLE
 - COURSE START DATE
 - COURSE ID