



# **BULK DATA TRANSFER: ADDITIONAL VALIDATION FOR CAS UPLOAD**

TIER 4 - PHASE 3



## 1. Scope

This document is designed to provide sponsors and their IT providers with supporting information and example xml files for designing manual systems to populate upload files which will be used in the Bulk Data Transfer processes in the Sponsorship Management System (SMS).

Bulk Data Transfer (BDT) allows the upload of information to the Sponsorship Management System (SMS) and the download of information from the SMS. Sponsors have to log in to the SMS to facilitate this process as file transfer is not automatic. The format of the file required to facilitate BDT is XML Schema Definition (XSD).

This document lists the specific data-centric checks which are carried out by the SMS during Bulk Data Transfer upload and migrant reporting operations.

## 2. CAS Data Upload

STRUCTURE	DATA ELEMENT	ADDITIONAL CHECKS
Bulk File Header Structure	Sponsor Licence Number	Must be a valid licence belonging to the currently logged in sponsor.
Applicant Data	Nationality	Must match a current valid Nationality in the PBS database as defined in reference data or the string "STATELESS"
	Country Of Birth	Must match a current valid Country in the PBS database as defined in reference data
	Date Of Birth	Must be a date in the past, which adheres to the rules for potentially partial date structure as described in the XSD.
Course Details	Course Start Date	Must not be before today's date. Must not be after ExpectedCourseEndDate.
	Expected Course End Date	Must not be before today's date. Must not be before CourseStartDate.
	Latest Date For Acceptance On Course	Must not be before today's date. Must not be before CourseStartDate. Must not be after ExpectedCourseEndDate
Partner Institution Details	Postcode	If the country code given for the address is 'GBR' then the field is validated against the UK postcode regular expression (shown below)
Overseas Higher Education Institution Structure	Postcode	If the country code given for the address is 'GBR' then the field is validated against the UK postcode regular expression (shown below)
Work Placement Address	Postcode	If the country code given for the address is 'GBR' then the field is validated against the UK postcode regular expression (shown below)

**Table 1** – Validation checks

All Strings are trimmed of any white space before or after meaningful characters. If after the white space is trimmed the String is empty then that field will fail validation.

### 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.

```
^([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}$
```

Figure 1 - UK Postcode Regular Expression

"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 ABCDEFGHJKLMNOPQRSTUVWXYZ 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 ABCDEFGHJKLMNOPQRSTUVWXYZ 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.



## 4. CAS Migrant Reporting Additional Validation

Below is the Migrant reporting additional validation detail:

- The CAS number must exist
- The Sponsor must own the CAS
- The CAS status must be 'Used'
- The CAS activity history must be less than a configured value  
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 (This being the same date rather than a 24 hour period)