Integration process for Fronter MLE and Atomwide USO

1
LA decides that users at its schools will gain access to Fronter using their Atomwide USO accounts, and advises Fronter of this plan. When step 5 is reached, connections to http://fronter.com/<la-name> should be sent to the LGfL/Atomwide USO Shibboleth Identity Provider for authentication.

2A
LA works with ATOMWIDE (and schools, if necessary) to ensure that the USO database is fully and accurately populated with data for everyone who will log in to the Fronter MLE, including pupil UPNs and staff dates of birth. This process must be achieved using an automated data upload process such as USO-AutoUpdate.

2B
ATOMWIDE makes available to Fronter via a secure mechanism, user data from the USO database, covering relevant schools and including usernames, first names, last names, UPNs, dates of birth & school details – but NOT passwords.

3A
FRONTER works with LA (and schools, if necessary) to collect all necessary data from appropriate MIS and populate the MLE back-end database.
(This is no different from the process necessary to deploy the MLE in a 'normal' LGfL LA.)

4
FRONTER matches MIS and USO data, based on first name, last name, UPN, date of birth and school name for pupils, and first name, last name, date of birth and school name for staff.

5
FRONTER arranges that authentication for the LA's MLE is performed using Shibboleth via the LGfL/Atomwide USO Identity Provider (IdP).
(If a login is successful, the user is recognised based on his/her USO username because of the prior matching process. If a user changes his/her password, this takes effect within USO, and so the USO IdP, almost instantly.)

Before initial deployment
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After initial deployment

6B
FRONTER securely collects latest USO snapshot from Atomwide each night, then updates the MLE database accordingly, matching against new MIS records if appropriate. In this way, the system is kept fully up-to-date.

7C
FRONTER obtains MIS data from the new schools and populates its database *(3A)*, then matches the MIS data against the USO snapshots *(4)*.

7B
LA ensures USO data is up-to-date for the new schools *(2A)*, and **ATOMWIDE** adds relevant user records to the secure export which is available to Fronter *(2B)*.

7A
LA decides to give additional schools access to the Fronter MLE, and informs Atomwide and Fronter about this.

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