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## Preventing Offline circulation from loading out-of-order transactions from different sublibraries

- **Article Type:** General
  - **Product:** Aleph
  - **Product Version:** 20
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### Desired Outcome Goal:

Prevent out-of-order transactions when loading offline circulation files from different sublibraries. See example in Additional Information below.

### Procedure:

1. Merge the offline Circ files of Library A and Library B into a single file, sorted on the first 12 bytes, which are yyyyymmddhhmm.
2. Load the merged file.

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## Additional Information

\* Example: patron #1 checks out a book in library A at 10am, and returns it in library B, at 11am. When the server connection is re-established, the libraries load their own local files.

Library B loads its local file at 1pm, in which the item is "returned" (-- though not on loan).

Library A loads its local file at 1:30pm, in which the item is loaned to patron #1.

Is there a way to prevent this, for instance, by adding a timestamp to the offline circulation transactions, so that the latest transaction is applied last?

\* pc\_cir\_c0434 is the "Offline Circulation Handling" program.

Example of offline file :

```
201309061523L31225031113901 SYLVIE3
201309061523L31225035625983 SYLVIE3
201309061523L31225030010454 SYLVIE3
```

**Category:** Circulation

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