



Intelligent Locker Management S/W©

The following outline describes the major areas of functionality for the Intelligent Locker Management S/W (ILM) for the Libraries Integrated Library System (ILS).

Locker pickup locations are a valuable and useful tool for libraries. However, they are not currently interactively integrated – either tightly or loosely – with the library customers Integrated Library System (ILS). The result is that material is not effectively tracked as it is placed into and retrieved from the locker system. Moreover, circulation transactions are created that do not accurately reflect the real pickup times, thus not accurately reflecting the true loan period or the true time of material picked up from lockers.

The ILSinc. ILM tightly integrates control over locker use and inventory, while adding features to accurately reflect actual pickup times, handle expiration times in an automated fashion, preserve and enhance the actual state of material placed into, retrieved from, managed by, and removed from lockers.

The following major functional areas describe the PIK, Inc. Locker Management (LM) S/W:

Locker Management Station

The Locker Management station is the location through which all ILM S/W features and functions operate. It is a standard Windows PC desktop/laptop. The following major features describe this station

- One designated LM station for each locker installation
- Utilize SIP2 client protocol so that LM S/W is compatible with all ILS packages that support SIP2 clients, allowing any site to use the ILS of their choice
- Provide patron and staff locker control
- Manage all material for all lockers at a location (20, 30, 40, etc.)
- Control Patron access and retrieval
- Perform required ILS transactions
- Provide electronic receipts

Material Management

The following material management features are supported:

- Allows the staff operator to stock lockers for patron pickup
- Add material to patron material already under control
- Remove expired patron material from a locker
- Move material from one locker to another
- Check the status of materials still in the lockers

Locker Control

The LM S/W will provide the following locker control capability:

- Allow the staff operator to open and stock lockers with material
- Allow staff operators to add material to already stocked material (material already placed under LM control in lockers)
- Allow staff to move stock under LM control from locker to locker en masse.
- Create and manage the locker control database file(s) to reflect the staff operators activities
- Report on the status of current lockers and inventory
- Automatically disable the retrieval of expired material that is past patron pickup dates
- Allow staff operators to clear locker inventory and retrieve un-collected and expired material

Patron and ILS Circulation Transactions

The LM S/W will provide the following transaction support and processing for both patron and staff operator interaction with material:

- Perform ILS transactions to indicate that material is placed under the LM control, as supported by SIP2 protocol
- Perform charge transactions for material within the LM control to reflect the date and time the patrons retrieved the material
- Perform ILS transactions to indicate that expired material is retrieved by staff operators

- Email charge receipts to patron's email account of record for patron material when retrieved
- Limit material retrieval for patrons whose privilege has expired, or otherwise been limited due to ILS policies and events that occurred after material was placed under LM control