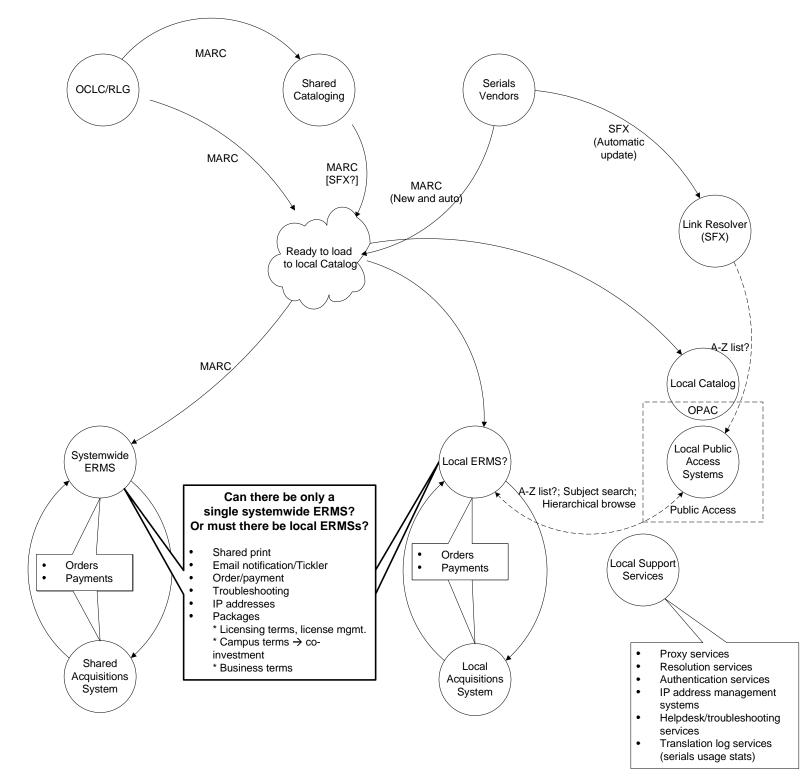# ERMS Data Flow Diagram
Hurley et al, March 12, 2004

LEGEND

Export/Ingest data flow

Real-time communication

OCLC/RLG

MARC

Shared Cataloging

Serials Vendors

SFX (Automatic update)

MARC

MARC [SFX?]

MARC (New and auto)

Ready to load to local Catalog

Link Resolver (SFX)

A-Z list?

Local Catalog

OPAC

Local Public Access Systems

Public Access

MARC

Systemwide ERMS

Local ERMS?

A-Z list?; Subject search; Hierarchical browse

Can there be only a single systewide ERMS? Or must there be local ERMSs?

- Shared print
- Email notification/Tickler
- Order/payment
- Troubleshooting
- IP addresses
- Packages
  * Licensing terms, license mgmt.
  * Campus terms → co-investment
  * Business terms

- Orders
- Payments

- Orders
- Payments

Shared Acquisitions System

Local Acquisitions System

Local Support Services

- Proxy services
- Resolution services
- Authentication services
- IP address management systems
- Helpdesk/troubleshooting services
- Translation log services (serials usage stats)

NOTES

1. SCP/Serials Vendors
  a. should autoupdate MARC and URL info for packages and individual titles in ERMS, catalog, SFX link resolver, proxy
  b. If possible, they should also add and delete titles from packages in ERMS, link resolver, with warning notification for catalog and proxy

2. Acquisitions Systems
  a. At least a minimal data flow between the shared acquisitions system and the systemwide ERMS to support selection decisions
  b. Assuming locally subscribed serials are in systemwide ERMS
    i. at least minimal data flow to systemwide ERMS to support collection decisions.
    ii. orders in systemwide ERMS generate notification to campus acquisitions systems to create order record.
  c. Assuming locally subscribed serials are NOT in systemwide ERMS
    i. Need links between systemwide and local ERMS

3. Catalog/Public Access Systems
  a. Need real-time communication to support public access (e.g,. catalog searches, dynamic a-z lists, subject searches, hierarchical browse)
  b. Data flow for catalogs to populate and update in such a way to get the best record (bibliographic info) in ERMS.