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

**LEGEND**
- Export/Ingest data flow
- Real-time communication

**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.

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**Can there be only a single systemwide ERMS? Or must there be local ERMSs?**
- Orders
- Payments

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

**Systemwide ERMS**

**Local ERMS?**
- Orders
- Payments

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

**Local Support Services**

**Ready to load to local Catalog**

**Local Catalog**
- A-Z list?

**OPAC**
- A-Z list?

**Link Resolver (SFX)**

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