



# Expectations

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# Foci of MARC

- Carry data that is specified and formulated by cataloging rules and conventions
  - Multiple descriptive rules, different principles, different models
  - Subject data
  - Scripts and languages
- Leverage the computer environment potential for data sharing and cost savings
  - Widespread use and exchange
  - “Free” data movement
- Support multifaceted retrieval
  - Coded data
  - Parsed data



# First

- More use of XML in an evolutionary manner
  - MARCXML
    - Use it more for exchange instead of MARC 2709?
    - Best for detailed cataloging?
    - Unbundle, e.g., separate out technical data as extensions?
    - Take advantage of new freedom with attributes and subfield markers: “augmented MARC”?
      - Effect on reversibility with MARC 2709



## More XML (cont.)

### □ MODS

- Highly compatible with MARC, but simpler
- Use with “unruly” data, electronic resources, etc.?

### □ METS

- Wrapper for unbundled MARCXML and MODS descriptions?
- Needed for additional technical and preservation data for electronic resources, e.g., PREMIS, MIX, TextMD, ALTO, ...



## More XML (cont.)

- Current Library of Congress explorations
  - Native XML database, e.g., Marklogic, Exist
    - XML datastore for search and retrieval across many internal files
    - Descriptive data in MARCXML and MODS – mixed with other XML data structures such as EAD, “non-MARC”, and others
    - METS wrappers
- XML has its challenges
  - Hierarchies
  - Attributes



# Second

- More exploration/innovation in internal system architectures
  - Opportunities provided by exchange of augmented MARCXML or METS
  - RDA and FRBR model experimentation
    - Already underway before RDA – Amicus at Library and Archives Canada, FRBR-based version of VTLS
  - Semantic and RDF adventures



# Third

- Surge of interest in “linked data” movement
  - Vocabularies – thesauri, complex code lists, enumerated codes, and term lists
    - id.loc.gov
    - RDA vocabularies
  - Actionable uri’s associated with concepts
  - For MARC communications environment
    - Automatic update?
    - Language exchange?
    - To be explored



# No single path

- The tough questions are still there for bibliographic formats, even as XML:
  - Actionable vs. descriptive
  - Parsed vs. text
  - Controlled/access vs. transcribed
  - Codes vs. words
  - Library vs. non-library traditions
  - My model vs. your model
  - Stability vs. change
  - Basic retrieval vs. scholar retrieval
  - Cost



- Thanks again