Interoperability Opportunities

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MSRR Community Interoperability Benefits

• Customer Satisfaction
  – Simplify efforts to discover, access and secure
  – Avoid incompatibilities

• Ease of use
  – Labor cost saving
  – Minimize duplication
  – Standard interfaces

• Coordinated capability / Cooperation
Interoperability Scope

- MSRR / CMSRR
  - DMSO Nodes
  - Service Nodes
  - Other Nodes

- POLICY

- FUNCTIONALITY
  - Discovery
    - Content based search
    - Registration
    - Catalogs
  - Access / Delivery
  - Collaboration
  - Security

- INTERFACE
User Registration Interop Levels

- Total Independence
- Common User registration data + local Options
- Interchange of selected User registration data between Nodes
- Reciprocity of user registration
- Standard use of metadata XML or other interchange mechanisms
- Common username across MSRR’s & M&S Repositories (username synchronization)
- Mechanism for approving inter-service/agency registration
- Record keeping standards, archiving
- Common legal caveats, usage constraints
Resource Registration Interop Levels

- Total Independence
- Common subset of resource registration data + local options
- Forwarding of registration data set
- Common resource type nomenclature
  - e.g. documents vs reports
  - Standard use of metadata XML or other interchange mechanisms
- Common Link quality monitoring
- Common resource quality profile (Standard quality metadata subset)
- Record keeping standards, archiving policies
- Reciprocity of PAO approvals
- Common legal caveats, usage constraints
Site Registration Interop Levels

- Configuration Requirements for interoperability
- Common Site Policies and Procedures
  - Security (physical/software)
  - Currency
- Distribution of Security S/W Components
Search Interop Levels

- Standard policies/procedures wrt requesting & granting rights to index protected areas
- Standard mechanism for automating indexing access security
- Common search syntax/semantics
- One stop search across all M&S Repositories
- Common Metadata subsets
- Common MIME types (non standard)
- Common Meta-tag Scheme
- Standard keywords and definitions
Security Interop Levels

- Central Certificate Authority
- Common security policy/profile
  - Standard MOU/MOAs
  - Common security environments (SSL level)
  - Common policy (applets, Active X, Meta-tags)
  - Common virus checking standards
  - Common access constraints
  - Common policy for reuse/redistribution of protected resources
  - Common approach to signed documents
Security Interop
Levels (cont.)

- Seamless navigation in a security environment
  - Common username standards
  - Common password standards
  - Username deconfliction
  - Common username and password
  - Standards for Management of user access groups
  - Group access name deconfliction
- Transfer resource Meta-data & search index files to CMSRR
- Dial-in access to SIPRNET MSRR nodes
Collaboration Interop Levels

- Common one stop shopping (database access, user interface, security, mechanisms)
- Common CM policy/metadata
- Common MIME types
- Common meta-tags keywords
- Common browsers
- Plug-in library
- Net Meeting
- Channels standards
- Audio/video standards