DoD Discovery Metadata Specification (DDMS) Update

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Agenda

• Introduction
• DDMS 3.1
• DDMS 4.0 and Open CRs
• DDMS Links
Introduction

• “The Department of Defense Discovery Metadata Specification (DDMS) defines discovery metadata elements for resources posted to the community and organizational shared spaces.” [DDMS]

• DDMS use by DOD is required by CJCSI 6212.01E Interoperability and supportability of information technology and national security systems

• DDMS use and extension is addressed by DoD 8320.02-G, Guidance for implementing Net-Centric data sharing

• Supports IC-ISM.XML V5

• Includes comprehensive specification and Web Site revisions in addition to a schema restructuring that makes updates to new versions of the ISM easier

• The ISM update required establishment of a new namespace specific to DDMS 3.1
• PEO-GES and the DNI CIO agreed to work to align the DDMS and Information Resource Metadata (IRM) specification during the April Metadata Working Group

• DDMS Change Requests 4, 6, 7, 8, 9, 10, 11, 12, and 13 were introduced to align the elements and attributes between the DDMS and the Information Resource Metadata (IRM) Specification version 3

• IRM V5 is currently in draft with additional elements and attributes defined

• The current open CRs are summarized on the following charts, followed by other changes required beyond those CRs
## Open DDMS CRs

### DDMS and IRM Convergence Focus

<table>
<thead>
<tr>
<th>DDM S_CR 2011</th>
<th>Focus</th>
<th>Obligation</th>
<th>Securable</th>
<th>Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Add <strong>Activity</strong> element with activityType attribute</td>
<td>Optional</td>
<td>Required</td>
<td>Low</td>
</tr>
<tr>
<td>6</td>
<td>Add <strong>IntelType</strong> element with subelements</td>
<td>Optional</td>
<td>Required</td>
<td>Significant</td>
</tr>
<tr>
<td>7</td>
<td>Add <strong>NoticeList</strong> with subelements from IC-ISM</td>
<td>Optional</td>
<td>Required</td>
<td>Medium</td>
</tr>
<tr>
<td>8</td>
<td>Add <strong>ProductionMetricsList</strong> element with subelements</td>
<td>Optional</td>
<td>Required</td>
<td>Medium</td>
</tr>
<tr>
<td>9</td>
<td>Add <strong>ProductLine</strong> element</td>
<td>Optional</td>
<td>Required</td>
<td>Low</td>
</tr>
</tbody>
</table>
Open DDMS CRs

DDMS and IRM Convergence Focus

<table>
<thead>
<tr>
<th>DDM S_CR_2011 -</th>
<th>Focus</th>
<th>Obligation</th>
<th>Securabl e</th>
<th>Complexi ty</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Add <strong>RecordsManagementInfo</strong> element with subelements</td>
<td>Optional</td>
<td>Required on a subelement</td>
<td>Medium</td>
</tr>
<tr>
<td>12</td>
<td>Add <strong>RevisionRecall</strong> element with subelements</td>
<td>Optional</td>
<td>Required</td>
<td>Significant</td>
</tr>
<tr>
<td>13</td>
<td>Add <strong>TaskingInfoList</strong> with subelements from IC-ISM</td>
<td>Optional</td>
<td>Required</td>
<td>Significant</td>
</tr>
</tbody>
</table>

- **Voting Period End:** July 29, 2011
- **Suggested Release Date:** August 31, 2011
### Other Open DDMS CRs

<table>
<thead>
<tr>
<th>DDM S_CR_2011</th>
<th>Focus</th>
<th>Obligation</th>
<th>Securable</th>
<th>Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Change the DDMS namespace to the new top-level domain ces.mil</td>
<td>N/A</td>
<td>N/A</td>
<td>Low</td>
</tr>
</tbody>
</table>

- **Impact**: Significant - Impacts all schemas, documentation, and examples - not backward compatible
- **Version Change**: Major version release - v4.0
- **Voting Period End**: July 29, 2011
- **Suggested Release Date**: August 31, 2011
Additional DDMS and IRM Convergence Changes

- Additional optional elements to be added to DDMS (CountryCodeCoverageList, NonStateActorCoverageList, ProcessingInfoList, SubCountryCodeCoverageList)
- Additional optional attributes to be added to several existing DDMS elements (dates, countryCode, creator, publisher, contributor, pointOfContact)
- Optional inclusion of NeedToKnow (NTK)
- Migration from a limited xlink profile to the full XLink.xml schema (Xlink 1.1 schema file)
- Migration to ISM v7, currently draft and only available in FOUO form
- Documented in a new CR DDMS_CR_2011_15
Metacard Element and Attribute Packaging

• IRM requires the ability to specify elements and attributes that describe the metacard itself, in addition to those which describe the target resource

• Some of the elements that describe the metacard also are used to describe the target resource

• Root elements can be reused inside another element
  - DDMS does not currently have an element that contains metadata about the metacard, only root attributes
  - Two alternative approaches were identified
    • Adding a new root DDMS element metacardInfo, that will contain all metadata about the metacard (classification, metacard publication info, dates, etc.) PREFERED APPROACH
    • Adding a new root DDMS element for metadata about the metacard PLUS a new root DDMS element for metadata about the resource being described (current IRM approach)
Change Request Summary

- CR Voting should start about 19 July and end 29 July
- Participation across the Metadata community is requested - this vote impacts all DDMS implementors
- Implementation expected by 31 August - Very aggressive schedule to meet IC needs
- If approved, DDMS 4.0 will remove the metadata gap between DoD and IC metadata publishers
DDMS Links

• You can find out more about the DDMS at: http://metadata.ces.mil/mdr/irs/DDMS/.
  - This site contains the most up-to-date information on the DDMS, including visibility into the current configuration management items.

• The DDMS Specification and XML Schema are available on the Metadata Registry at: https://metadata.ces.mil/mdr/ns/DDMS/3.0/DDMS_v3.0.1.zip
  - There have been over 76,000 hits to DDMS download pages since the DDMS has been published to the Metadata Registry!

• Affecting and changing the DDMS
  - There is a process for submitting a Change Request that is described at: https://metadata.ces.mil/mdr/irs/DDMS/cm/RFC_Process.html
  - Alternatively you can contact ddms@fgm.com and we will assist you in navigating the process.
Questions?

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