Recommendation for Joint Interoperability of Web Services

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Recommendation

- DISA to establish a DoD Universal Description, Discovery and Integration (UDDI) for registration of web enabled services specified using WSDL on SIPRNet and NIPRNet.
- Identify Simple Object Access Protocol (SOAP) message protocol as the standard for interapplication communications. (Thus making those apps web enabled).
- Ensure provisions made for allied/coalition web service registration. DISA to host UDDI for this on a coalition network (COWAN) and allow for registration of allied/coalition web services on NIPR UDDI.
- DISA to engineer mechanism for distributed replication of services (private vs. public) between service specific UDDI and DoD UDDI databases.
• Get DISA concurrence for plan and request they:
  ➢ Issue policy for joint web service standards (SOAP, WSDL etc.) similar to draft XML policy currently in chop.
  ➢ Engineer solution for replication of UDDI databases.
  ➢ Establish DoD UDDI service on NIPRNet, SIPRNet and a coalition network (COWAN). Work with NATO NC3A to establish UDDI on NATO Initial Data Transfer Network.
1. Air Force user sitting at a portal elects to get data from a Navy web service listed in his drop down menu of web services options on his portal.

2. His portal makes a SOAP request to a web service.

3. Data are retrieved and passed back as a SOAP response to the user’s portal or browser as XML. The portal or browser then renders the XML in HTML for viewing the information.