**CDS Task Force Call Summary for March 6, 2012**

**Participants:**

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**Discussion of the use of XML documents vs multiple webservices**

After a brief review of the previous meeting summary we dove into a discussion of an alternate approach to the CDS architecture. At the previous meeting Jam proposed using XML documents as transaction interfaces. Joseph presented a diagram that attempted to illustrate this approach. To summarize: Each of the four major system functions (identify a CDS server(s) supporting a particular target, get the delivery options, send and receive documents, request and receive transaction history) would be represented by xml transaction documents. The CDS exchange server would be the only web service. It would send and receive the documents but the processes for each type of document would be handled by software. Jam described this solution as being much more flexible and easier to implement.

In the subsequent discussion we developed changes to the existing diagram including:

* Also using an exchange service between the client and the local CDS server
* Adding a queue system to address offline clients or remote CDS servers
* Creating an central Delivery Options database akin to the central Members directory
* Designing the central systems similar to a CDS server in that it receives and sends updates via XML transaction documents but has special processing for the transactions that it handles.
* Make the diagram illustrate the possibility of multiple clients for a given CDS server.

**Planning for PESC Data Summit in May**

We agreed to provide a CCCConfer option to enable participation by those who are unable to physically attend the conference. We decided to begin applying as much specificity as possible to the various components and then to continue this development during the conference sessions.

**Action Items**

* Improve the diagrams representing web services components as described above.
* Begin developing the Web Service Contract for the document exchange component of the CDS server including authentication, encryption, governance
* Joseph to work with Jam to document the rationale for the “XML doc exchange” approach over the “multiple web services” approach.
* Arrange a CCCConfer session in conjunction with the CDS session at the May PESC Summit.

**Next Meeting**

The next meeting will be **Tuesday, March 20, 2:00 pm Eastern/11:00 AM Pacific via CCCConfer**