

CLM

- 1) Data Distribution Service (DDS) - 30 July 07
  - a) Basic service – transmission of arbitrary data types
  - b) Single writer, multiple readers can request products by name
  - c) Networked
- 2) EldoraExec - 15 August 07
  - a) Configure Red Rapids (RR) cards.
  - b) Multiple data streams from RR.
  - c) Packages pulse data and delivers to DDS.
  - d) Packages time-series data and delivers to DDS.
- 3) EldoraScope - 15 August 07
  - a) Display timeseries and products
  - b) User can select channel, product or gate.
  - c) Data feeds are dynamically changed through requests to the DDS.
- 4) HouseKeeper - 24 September 07
  - a) Add ETH-29
  - b) Implement function for broadcast of housekeeping data
  - c) Temporary or skeleton state (i.e. configuration) access mechanism.
- 5) EldoraMerge added to EldoraExec - 1 October 07
  - a) Product output now sent to EldoraMerge rather than DDS.
  - b) Ingest broadcast housekeeping data stream into EldoraMerge.
  - c) Products sent from EldoraMerge via DDS
- 6) EldoraProd initial development -15 October 07
  - a) Add Eldora specific processing to Moments library.
  - b) Adapt threaded data marshalling framework from CP2Moments to drive the moments library.
  - c) Reformat moments output and transmit via DDS.
- 7) RPC - 15 October 07
  - a) Develop class library based on XML-RPC.
  - b) JVA recommends the following SourceForge implementation: <http://xmlrpc-c.sourceforge.net/>

- c) The main class will create two threads, one for the server and one for the client.  
Helper classes will provide a communication interface to other threads.
- 8) EldoraGui - 29 October 07
  - a) Skeleton implementation
- 9) State - 29 October 07
  - a) Lightweight database
  - b) RPC calls to set and query the database
  - c) Small class library, with communications adapter to utilize RPC.
- 10) EldoraArc – 26 November 07
  - a) Adapt existing Eldora archiver
  - b) Read from DDS
  - c) Controlled by EldoraGui
- 11) EldoraPPI – 26 November 07
  - a) Use CP2PPI as foundation
  - b) Add dual display.
  - c) Add rectangular viewport limiting.
- 12) EldoraGui – 24 December 07
  - a) Complete functionality.
- 13) State – 24 December 07
  - a) Incorporated fully into Housekeeper, EldoraExec and EldoraProd.