

RADIOMETER and CIC protocols

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Radiometer's CIC implementations

- POCT1-A DAP
 - none
- POCT1-A DML
 - ABL800
 - RADIANCE
- POCT1-A ORI
 - RADIANCE via HL7 v2.5

- Are compliant through the HL7 v2.5 standard (implementing the ORI specific triggers R30, R31 and R32)
- Not used or asked for.

- Implemented on server side with RADIANCE
- Client side implemented in ABL800
- Used currently to interface to Hemocue DM201 analyzers (Glu and Hb)
- Cons
 - Confusion on whether a DML message is a well formed XML document.
 - Much time used in integration due to fuzziness in specification on error handling (A state machine diagram on the client and server side would have helped)
- Pros
 - XML nature of protocol provides ease of adapting.
 - 1 interface for n analyzers. A GUI for presenting results is universal and easier to maintain.

- Exceptions processing (managed analyzers) – store results in RADIANCE database. Allow rule based selection of results which are to be processed manually. All other results are relayed to HIS/LIS.
- Tunnelling (un-managed analyzers) – relay all results received from an analyzer to the HIS/LIS converting to the appropriate HIS/LIS protocol (e.g. HL7 v2.5 or ASTM)