

BUSINESS AREA ROCHE NEAR PATIENT TESTING

POCT1-A

Activities at Roche Diagnostics

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- Roche participated in the development of the POCT1-A standard as a core member of the CIC.
- Roche recognizes the value of the POCT1-A standard.
- Roche intends to implement the POCT1-A standard on its POCT devices (BA Near Patient Testing)
- Roche Hospital IT products will provide full support for the POCT 1-A standard (J. Fernandez, Hospital IT CoC, Barcelona)
- Restrictions: Implementation of POCT1-A in existing instruments
- Consequence: Roche had to wait for new instrument generations

Point of Care Data Managers:

- Roche Diagnostics, Cobas IT 1000 (Europe)
- MAS, RALS Plus (USA)

(Access Points)

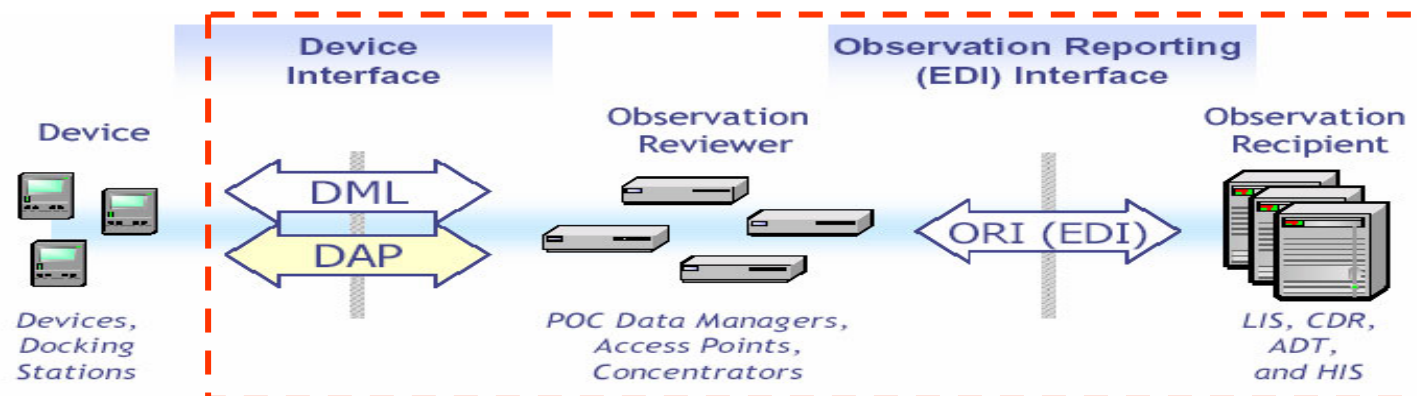
- Docking-Stations (Intelligent)

Concentrators:

- Products from Hospital IT Center of Competence (e.g. PSM)

LIS:

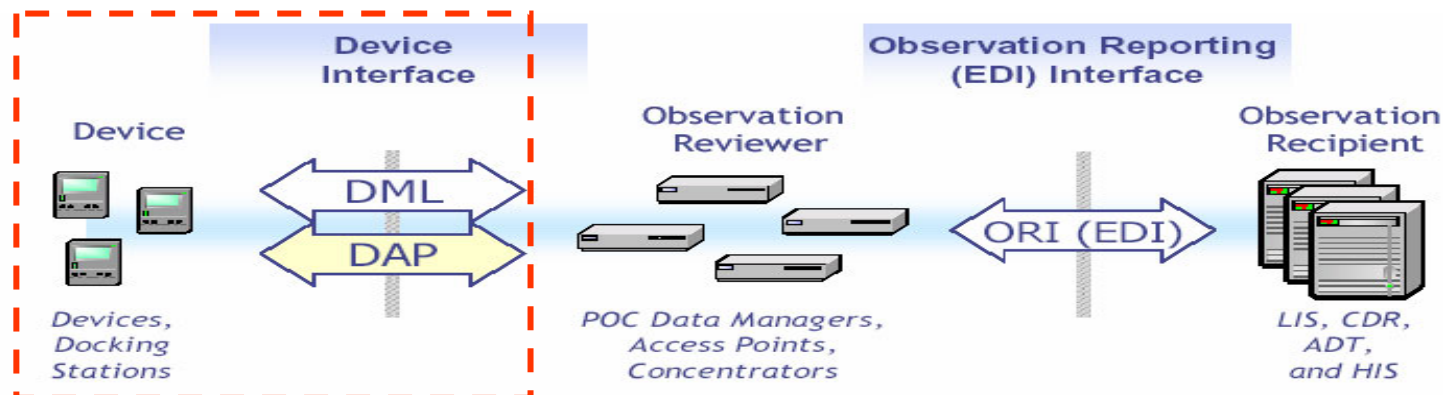
- Products from Hospital IT CoC



Instruments:

- Coagulation Monitoring
- Cardiac Panel
- Professional Glucose
- Blood Gas / Electrolytes

- **“IrDA devices in general clinical care areas” + DS**
- **“Mobile devices using RF LAN or cellular”**



Activities on Reference Implementation



• Understand XML message structure	1-2 weeks
• Message description (Specification Document)	4-5 weeks
• Understand XML communication structure	1-2 weeks
• Message processing (Design Document)	1-2 weeks
• Implementation of communication protocol (Libraries)	12 weeks
• Implementation of basic " Data Mgr. " for test purposes	1-2 weeks
• Finally implement and maintain "all" messages	> 3 weeks
	<hr/> 5-6 months

Message structure of POCT1-A is challenging:

"We think we have understood how it works"

Hurdles / Whish list – for Implementation Phase



- Does a **certified “Data Manager” or “Demonstrator”** exist for development purposes ? (Nothing found on Internet)
- **Who else** develops an instrument interface / data manager interface and is willing to **share experiences** ? (Community)
- **Electronic availability** of “Standard Resources”:
 - DTDs (!!)
 - Example Messages / Libraries (?!)
 - etc.
- How To / **“Implementation Guide”**

Questions – for Business Phase



- Who is the **certification authority** ?
- For which country ?
- Who will **provide a certification** ?
- What **effort**, documentation, **costs** are related to a certification ?
- **Who else** has implemented an instrument interface / data manager interface as a **product** ?
- Integration in HL7 Version 3.0 - Release of HL7 Version 3.0 ? Acceptance ?