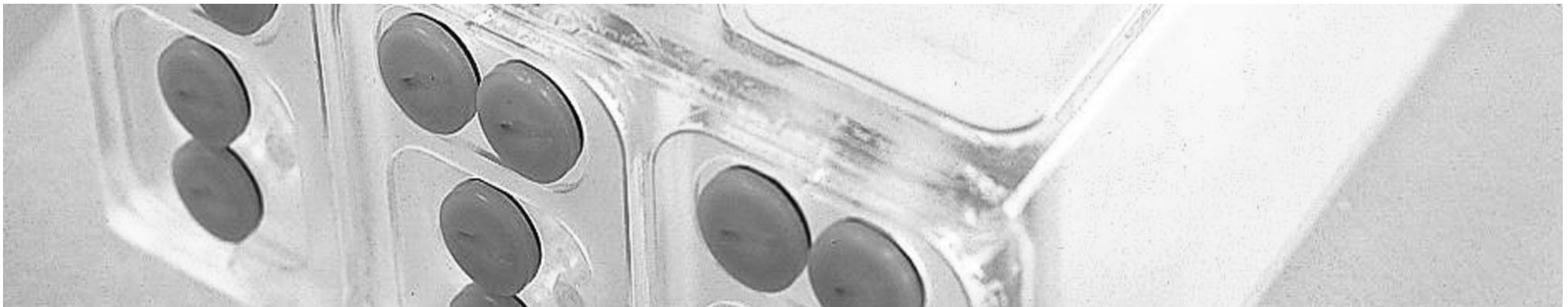


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# **Industrial Experience Implementing the POCT1-A Standard**

***Juergen Richter***



# Status



- Roche, as a core member of the CIC, recognizes the value of the POCT1-A standard.
- Roche intended to implement the POCT1-A standard in its new POCT solutions
- First Roche POCT instrument with POCT1-A interface launched
- Roche POC information management system has POCT1-A implemented

# New Developments

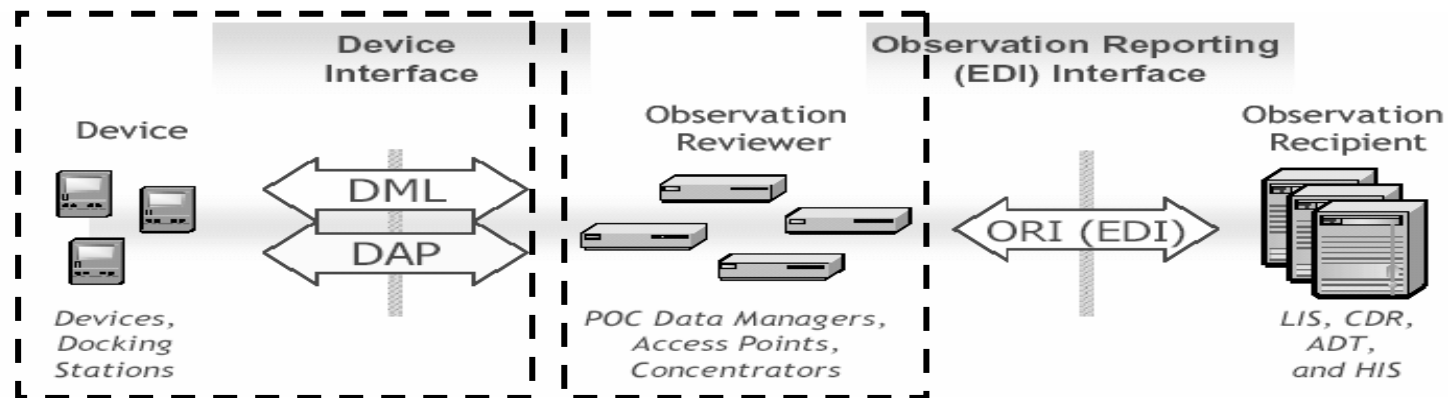
## Instrument:

- CoaguChek XS Plus



## POC Data Manager:

- cobas IT 1000



# POC Connectivity



**Diagnostics**



**CoaguCheck XS Plus**



**Docking Station**



POCT1-A over Ethernet



**Hospital Information System**



**POC Data Manager**

# CoaguChek XS Plus



Diagnostics

The DML allows for bidirectional data exchange on the following topics:



- |       |                               |   |
|-------|-------------------------------|---|
| 1     | Device Status                 | ✓ |
| 2     | Observations                  |   |
| 2.1   | Patient Tests                 | ✓ |
| 2.2   | Calibration Tests             |   |
| 2.3   | Quality Tests                 |   |
| 2.3.1 | Liquid QC                     | ✓ |
| 2.3.2 | Electronic QC                 |   |
| 2.3.3 | Calibration Verification      |   |
| 2.3.4 | Proficiency Test              |   |
| 3     | Device Events                 |   |
| 3.1   | Test Denied                   |   |
| 3.2   | Uncertified Operator          |   |
| 3.3   | Vendor-specific               | ✓ |
| 4     | Update Lists                  |   |
| 4.1   | Operator List                 | ✓ |
| 4.2   | Patient List                  | ✓ |
| 5     | Directives                    |   |
| 5.1   | Set Time                      | ✓ |
| 5.2   | Lockout (with explanation)    | ✓ |
| 5.3   | Remove Lockout                | ✓ |
| 5.4   | Vendor-specific               | ✓ |
| 6     | Vendor-specific Data Exchange | ✓ |

- remote SW-upload
- instrument setup

# Roche POC Instruments



Diagnosics




**CoaguCheck XS Plus**



**cobas h 232**

cobas IT 1000 · Roche · Roche Diagnostics - Microsoft Internet Explorer provided by F. Hoffmann-La Roche Ltd

Diagnos<sup>t</sup>ics 

**Menu**

- System
- Operator
- Material
- Instruments
  - Status
  - Maintenance
  - Configurations
  - Individual Setup
  - Maintenance Setup
  - Comments Setup
  - Off Line Instruments
- Quality Control
- Tests
- Reports
- Utilities

**Warnings (3)**

Severity	Date
2006-01-25 09:14 Operator Pending Certifications 4 ↑	
2006-01-25 09:14 Tests Unreviewed test results 619 ↑	
2006-01-25 09:14 Quality Control Unreviewed QC results 227 ↑	

**Instruments > Configurations > Device Configuration**

Setup

- Display
  - Contrast
  - Unit
  - Language
  - Date/Time
- Options
  - Sorted by
  - Beeper
  - Auto Off (minutes)
- ID Setup
  - Supervisor
  - Operator
  - Patient
- Lockout
  - OP Lockout
  - QC Lockout
- Cobas IT Settings
  - Operator
  - Patient

**Operator**

Operator list: ☒

Operator password format: \*

Default OK Cancel

[0200] Instruments\Configurations\Device Configuration 10:38 Local intranet

Start Posteln... C:\Micr... C:\WIN... fdf - Hy... cobas 1... Jasc Pa... 10:38

# Experience

- High effort for 1st instrument
- Clearly reduced development effort for further instruments
- Standardization within instrument project teams
- Standardization between instrument and data-manager (also 3rd party)
- No alignment with other vendors so far
- No independent “certification” of POCT1-A interface  
=> Marketing wish !