

POINT OF CARE CLINICAL DIAGNOSTIC DEVICE: DATA INTERFACE TO LIS/HIS

Client Profile:

An established manufacturer of Point of Care reagents /device for clinical diagnostic testing.

Technologies Used:

Requirements Engineering, Rational Unified Process, Computer Related Systems Validation (CRSV) Methods, Project Management Techniques

Project Summary:

The client needed to identify and/or develop then validate an information management solution for their Point of Care device. ASHVINS' role in the project was to determine if a commercial solution was available that could achieve the client's data management requirements or if development of a custom solution was the optimal approach and then carry the project to implementation (with either a commercial system or a custom system). The first step in the project was to establish a full set of software requirement specifications for the system. The next step was to review commercially available solutions to determine if an existing solution could satisfy the requirements. An essential requirement of the system was that data coming from the Point of Care device via automatic systems interface could be monitored and then data shared with the user's LIS/HIS. A commercially available solution was identified and ASHVINS completed the validation of the interface and system. Implementing a commercially available system was the most cost effective and efficient solution for the client.