



## Health Care and Life Sciences Case Study

# Automation Regression Test Pack (ARTP) for Health Care and Life Sciences

Client Overview: Our client is one of the largest diversified health and well being services companies. They have provided preferred health plans for groups and families and also provide benefit coverage for employers who choose to self-fund their health benefits program for a few years. Their Group of companies contributes outstanding clinical insight with consumer-friendly services and advanced technology to help people achieve optimal health.

## Industry challenges

- Ensuring that healthcare professionals are kept fully up-to-date with developments in clinical information, procedures, practices and research
- Extra functionality needs to be added to process newer claims by generating them from within the system
- The claim-checking module needed to be enhanced to incorporate new business logic
- Demand for electronic interfaces is exploding. The integration platform needed to be very efficient to serve customers productively
- Freeing up internal resources for core business applications
- Saving time with robust exception management services

## Situation

The client needed a Drug Information Medical System that would include the functionality of various medical systems. The goal was to increase the efficiency of working with different modules and avoid overloading the end-user with the scope of system functionality. The project objective aimed to deliver a system that would be easy to use for both the patient and the doctor or consultant. Doing so would maximize the efficiency of each module and the time spent by a user to obtain the necessary information.

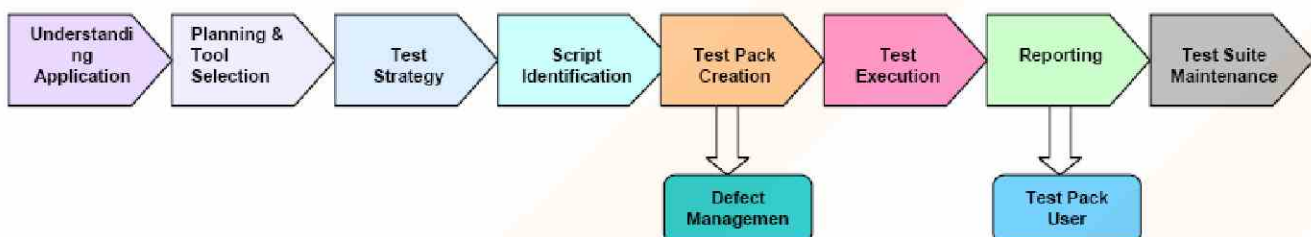
## Solution

In order to meet the challenges the STC ThirdEye testing team prepared a Test Strategy document, which highlighted the various tasks to be performed.

We conducted the Testing Activities in two phases.

**Phase 1: Comprehensive Testing Process** In the first phase, we understood the application and prepared a Test Plan and Test Ware consisting of Test Conditions, Test Scenario's and Test Cases. We then executed the Test Cases and identified the Defects and sent it back to the developer for fixing. Once the defects were fixed we retested the application and confirmed the defects have been fixed. Once all the defects were fixed we prepared the closure logs and the final test summary report.

**Phase 2: Regression Test Process** In the second phase, we recognized the area that our client wanted their product to be automated. We made an effort and selected the right tool for the process. In this situation we used Mercury Interactive Quick Test Professional (QTP). We prepared and executed the test scripts to make sure the existing functionality has not been regressed due to fixes. Finally we have delivered a regression test pack to the customer to test future enhancements. In addition to that, we have delivered an Automated Regression Test Pack User manual to the user to run the scripts in the near future.



## STC's strengths in testing Healthcare and Life Science Solutions

- Healthcare IT system integration services
- Master Patient Index Medical Records
- Clinical Data Warehousing Solutions
- HIPAA-compliant care-management solutions
- Pharmaceutical contract-management applications
- Pharmaceutical supply chain solutions
- Pharmacogenomic data-management solutions
- Pharmacovigilance systems
- CRM and Sales & Marketing Transformation Solutions for the Life Sciences Industry
- Finance Management Services for the Life Sciences Industry
- Supply Chain Management Services for the Life Sciences Industry
- Medicare / Medicaid Billing
- Medical Insurance Claim Processing

## Benefits

### Reduced Time-to-market

The automation of testing activities leads to faster execution of testing projects enabling high quality testing and reduced project timelines.

### High Quality

Established test methodologies, and experienced testing professionals ensure world class testing services.

### State-of-the-Art Testing Resources

Our dedicated testing center with state-of-the-art software testing tools assures effective execution.

### Focus on Strategic Priorities

Our proven test methodologies and multi-platform experience enable us to manage the testing process for to achieving the business goal.

## About STC

STC ThirdEye Technology (India) Pvt Ltd, is India's largest Independent software testing organization providing End-to-End testing Services Planning & Tool Selection Test Strategy Understanding Application Script Identification Reporting Test Pack Creation Test Execution Test Suite Maintenance Test Pack User Manual Defect Management We build and operate dedicated India-based testing centers for our customers with the latest computing and data communication technologies, and deliver our services, with high standards of security and confidentiality. Consistent qualities of deliverables under compressed time schedules enable us to get repeat business. We help Fortune 500 ERP, BFSI, Healthcare, Gaming and Telecom solution providers We are **ISO 9001:2000 certified organization**. For more details, please visit us at [www.stcthirdeye.com](http://www.stcthirdeye.com)