**NSSP Weekly Report**

# **NSSP Week Ending 06/30/2017 POC: Alan Davis**

# NSSP Items This Week

# The NSSP IT project operates with two primary sub-projects for tracking purposes: (1) Development and (2) Technical Assistance. The Onboarding project is a sub-project of Technical Assistance. A glossary of chart terms can be found in the next section.



# Chart Glossary

| **Term** | **Definition** |
| --- | --- |
| **Technical Assistance JIRA Ticket Types** |
|  Feat. /Func. Suggestion | A feature or functionality suggested by users/stakeholders. |
|  Onboarding | An onboarding-related technical item. |
|  Processing | A request/item that relates to data processing. |
|  Questions | Any questions for the technical assistance team, e.g. HL7 mapping guide. |
|  Tech. Issue - Backend | A technical issue with the backend of the BioSense system. |
|  Tech. Issue - Frontend | A technical issue with the frontend of the BioSense system. |
|  User Accnt/Access | A user account or access request, e.g. R Studio access. |
|  Other | Other technical requests, e.g. request for new certificates. |
| **Development JIRA Ticket Types** |
|  Task/Sub-Task | A development-related issue or request. |
|  Improvement | A suggested change to the system. |
|  New Feature/Function | A suggested new feature to the system. |
|  Bug | A development-related issue or defect. |
| **Status** |
|   **Open** | The item/ticket is in queue. |
|  **Active** | The item/ticket is in progress. |
|  **Inactive** | Work on the item/ticket has started, but is on hold for a particular reason. |
|  **Waiting for Customer/Support** | The item/ticket is being worked on and is waiting on a reply from the customer or support. |
|  **Resolved** | The item/ticket is done, but needs to be reviewed. |
|  **Complete** | The item/ticket is done and has been reviewed. |
|  Re-opened | After being resolved or complete, the ticket is re-opened for a particular reason. |
|  Priority Rubric | The development and technical assistance tickets grouped by BioSense Platform functional area |
| **Other Items** |
|  BTA | BioSense Technical Assistance. Item/tickets related to technical assistance and coming through the Help Desk. |
|  BA | BioSense Agile. Items/tickets related to development or feature requests or backlog. |
|  Agile | Software development methodology to create requirements and solutions. |

# Development Sprint Chart

In order to perform Earned Value Management, the BioSense/NSSP IT project team will begin estimating sprints in hours and not sprint points. Earned value project/performance management (EVPM) is a project management technique for measuring project performance and progress in an objective manner. In this version of a sprint burn down chart the red line going down represents the value earned (work completed against the estimate) and the green line represents the hours worked.



# Development Velocity Summary – Last 5 Sprints

| **Sprint and Start Date** | **Sprint Items** | **Sprint Backlog Total Time (hours)****Initial + Changes** | **Scope Changes****(hours)** | **Sprint Velocity****Time (hours) Completed** | **Time (hours)****Unfinished** |
| --- | --- | --- | --- | --- | --- |
| Sprint 66, 06/19/17 | 80 | 979 | 36 | 651 | 328 |
| Sprint 65, 06/05/17 | 61 | 720 | 120 | 324 | 276 |
| Sprint 64, 05/22/17 | 69 | 656 | 10 | 200 | 446 |
| Sprint 63, 05/08/17 | 80 | 680 | 50 | 369 | 261 |
| Sprint 62, 04/24/17 | 72 | 555 | 70 | 405 | 80 |
| Sprint 61, 04/10/17 | 69 | 630 | -2 | 600 | 30 |

 *Note*: Negative scope hours are reflective of items taken from the sprint over a two week period (sprint start and end).

# Key Accomplishments (across the project)

| **Category** | **Key Accomplishments and Plans** |
| --- | --- |
| Requirements  | * Tested AMC User Group functionality in Staging and Production
* Submission of User Group defects in JIRA
* AMC requirement documentation update
* AMC Test Plan update to reflect the User Group functionality
* Tested AMC User Group functionality in Integration
* Updated AMC onboarding presentation and submitted to CDC team.
* Completed call Volumes Report for the month of June to CDC personnel
* June JIRA Development Summary Report to ASTHO group
 |
| System Development & Maintenance  | * Acquired SAS 9.4.4 software from SAS
* Implemented replication on the New Archive server
* Worked on creating the Link Servers in the new environment using AD accounts in place for the SQL Server logins
* Set up the Link Servers between the servers in the new environment
* Completed access to the new environment by using and additional tunnel in the PUTTY configuration file
* Completed Restart Data processing New Archive to new SNC-Ingest.
* CA legacy conversion QA fixes\updates.
* Added Last\_ER\_RowID\_Updated column to Essence\_Process\_Log in both NEW ARCHIVE and OLD ARCHIVE for Essence performance tracking.
* Renamed PHINCONV Archive database and copied to transfer drive in preparation for server retirement.
* BA-3563 AMC User Group Defect delete user message was resolved after QA.
* BA-3549 AMC User Group Reset Button was resolved after QA.
* BA-3558 User Group Defect Data Access Allows duplicate groups was resolved after QA.
* BA-3557 User Group Defect checking group filter on main page was resolved after QA.
* BA-3550 Group Defect Checking User Group Filter was resolved after QA.
* Resolved BA-3333 prepare AMC user group for production after production deployment.
* Deployed AMC Test and Stage with enhancements requests
* Discussion on AMC Statuses Issues with database team and Active Directory issues
* Performed Requirement planning for Active Directory
* Deployed AMC Active Directory Integration on integration test
* BA-3565 – Assigned for testing - AMC: As a user, I want to be able to change my AMC password and have it updated throughout BioSense platform
 |
| Data Onboarding  | * Completed Staging 04/05 Exception reprocessing
* Worked with KS to correct incorrect MSH4.2 segments
* Reached out to VTPorterMedical for investigation (down feed)
* Built tracker that includes critical onboarding in staging for sites
* Sent out communication to get best date for staging server transition dates
* Review Data Investigation SOP Table of Contents with
* Set up a meeting with to discuss MTNorthernMontana Feed
* Review documented the MFT training from
* Downloaded WinSCP, Configure tunnels with
* Given access to phinms and httpd. Walked through a phinms restart with S
* Data Flow SOP Diagram in Visio - SOP Diagram found in Onboarding/\_Tim/BioSense Platform
* Implementation of the new NSSP Onboarding Kanban board that improves onboarding scheduling and tracking.
* Removed Solano County from New Site Onboarding Window 1.
* Trained new Onboarding team members on Data Validation.
* Communicated Staging upgrade plans with sensitive sites and solicited feedback for planning activities.
* Assisted NSSP requirements team with NSSP Support SOP document template.
* Started NSSP Onboarding Guide updates for New Site Onboarding Window 2.
* Started NSSP Validation Guide development for New Site Onboarding Window 2.
 |
| Data Analytics  | * Produced Weekly Legacy Conversion Status One Pager
* Produced Weekly Legacy Conversion Status One Pager, by Site
* Issued meeting notes for the Legacy Weekly Check-In with ADM
* Identified defects discovered during the Legacy conversion process, then coordinated with developers to fix and deploy updated code as well as update damaged records where applicable
	+ Discovered the logic that caused the Diagnosis Code prepended semicolon defect
* PHINCONV server retirement planning
	+ Refined the task list based on the feedback
	+ Refined the diagram based on the feedback
* Oversee SDA tasks and provide feedback
	+ Christus Health overlapping facilities with Louisiana
	+ Review data completeness for California Riverside legacy data
* Completed more Legacy conversions (sFTP and PHINMS)
* Kentucky PHINMS data in PHINCONV is approved by the site to move to Production - Processed
	+ PHINMS sites including Arizona, Colorado NCR, Illinois, Kansas, Nevada, New York State, Tennessee, Wisconsin are currently under SI review
	+ Confirmed that Christus Health legacy data does not have any duplicative visits or patients with the Louisiana data
	+ Conducted an assessment of the California Riverside data completeness
	+ California Nevada site confirmed SFTP legacy conversion requirements
	+ Planned for PHINCONV server retirement: a copy of the database will be attached to the Production (ARCHIVE server) and DATAMART
	+ Issued email alerting CDC the sites are available for their review: Kentucky PHINMS
* Completed changes for Weekly Lights on report and submitted for review
 |
| Training and Communication | * Assigned unassigned issues resulting in 0 unassigned
* Executed communications plan for server upgrade
* Completed Help Desk SOP draft
* Tested AMC Updates
* Set up SDA project in JIRA
 |

# Plans for Next Week (across the project)

| **Category** | **Key Accomplishments and Plans** |
| --- | --- |
| Requirements | * Monthly Status Report
* Weekly Status Report
* AMC and Active Directory Requirements gathering session
 |
| System Development & Maintenance | * Prep for SAS 9.4M4 install;
* Continue preparation of SOP for SAS users;
* Create document detailing how to add users to SAS.
* Implementation of the new production environment
* CA legacy conversion QA fixes\updates
* MT legacy conversion QA fixes\updates
 |
| Data Onboarding | * Support Production Transition
* Investigate stage-essence flat line issue
* Complete the Data Investigation Flow Chart and create Technical Insights with SD&A team.
* JIRA and ticket items to help the NSSP Onboarding Team
* Understand and/or record walkthrough troubleshoots: Mirth, WinSCP, creating SSH Keys, and MFT
* Develop NSSP Onboarding Quarterly Report for Q2 2017.
* Documentation updates for Onboarding Guide
* Document investigation steps for NSSP Support SOP
* Continue Password-to-Key pair authentication transition efforts.
 |
| Technical Support | * Understand and/or record walkthrough troubleshoots: Mirth, WinSCP, creating SSH Keys, and MFT
* Document investigation steps for NSSP Support SOP
 |
| Data Analytics | * Work on AMC AD and Account Status changes with development team.
* Work on SQL API changes to support AMC AD changes.
* Deploy Weekly BioSense Lights changes.
* Testing web application access and content on new servers
* Testing new datamart views
* SFTP Legacy QA and communications
* Loading legacy data to new ESSENCE
 |
| Training & Communication | * Create Data deletion process for ADM
* Execute on Communications plan
* Continue and iterate upon ADM dashboard
 |

# New/Significant Project Issues/Risks/Scope Changes for Current Sprint

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type** | **ID** | **Description** | **Mitigation/Action Taken** | **Status** |
| Risk  | BA-3585 | Set up SAS, BioTerminal Servers – Task Added to sprint | Leave the BioTerminal in the old VPC online until the new one is complete. | Monitor |
| Risk | R012 | Amazon infrastructure issues may affect BioSense Platform infrastructure. | Monitor Amazon performance and prioritize and respond to issues as determined by the project team. | Monitor |
| Risk | R013 | The development, testing, and staging environment AMC applications are not independent systems. Existing connections between each may lead to issues when new development is implemented | The team will work to identify a long term solution to separate the applications (AMC & ESSENCE) in each environment. In the short term, they will create and adhere to SOPs and checklists for releasing new builds in each environment | Monitor |
| Risk | R014 | High volume of project and support tasks is limiting resources available for Onboarding | New Onboarding team member has been hired. Team is supporting Onboarding needs as new staff is learning the role.  | Monitor |
| Risk | R015 | We need to secure (SSL/Certificates) Active Directory and Ldap. | All critical operations such as encoded password, enable, and disabled accounts cannot be done on an unsecured connection. Will need help from system admin to secure (SSL/Certificates) active directory-ldap on test domain controller. | Monitor/Research |
| Risk | R016 | Server Transition SQL directives unclear. May need to perform MFT fixes/Reprocessing again on the new Archive server | Server Transition SQL directives unclear. May need to perform MFT fixes/Reprocessing again on the new Archive server | Monitor/Research |
| Risk | R023 | PIV certification issue affecting access to BioSense tools  | Work with ITSO on determining new certifications restrictions on PIV | Monitor/Research |

System Maintenance, Updates and Outages

|  |  |  |  |
| --- | --- | --- | --- |
| **Date(s) Time(s) of Outages/Updates/Patches** | **Estimated Downtime** | **Reason** | **Expected or Unexpected** |
|  |  |  |  |
| **Production ESSENCE Restarts** |
| **Week** | **Number of ESSENCE Restarts** |
| 06/24/17 – 06/30/17 | 12 |

# Requirements Status and Agile Development Activities (Sub-task 2.3.2 & Sub-task 2.3.6)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Date** | **Last Week's Activities** | **%****Complete** | **Upcoming Activities** |
| Data Flow  | 06/09/2017 | Refined requirements for server upgrade; updated JIRA tickets to assign work | 100% | Execute on the plan and update CDC with developments and progress. |
| Access & Management Center | 06/29/2017 | Release User Groups end of June: Revised UI and fixed bugs. Tested again with 99% pass. Planned: AMC Data Sharing Report requirements and ESOOS meeting with Alana | 100% | Deploying to Staging and Production next week.  |
| Master Facility Table | 06/14/2017 | Completed June 21 call with Sophia Crossen to gather feedback on MFT UI.  | 50% | Continue updating requirements documentation.  |
| Reporting  | 06/16/2017 | Continued working on trigger action SOP. Made cosmetic changes to report. Added new tables to reports in Staging per CDC request.  | 75% | Continuing to work on draft SOP. Finalize new additions in Production.  |

# Community Enhancement Requests

| **Enhancement Type** | **Key** | **Summary** | **Status** | **Created** | **Updated** |
| --- | --- | --- | --- | --- | --- |
| ESSENCE Support | NTA-989 | ZIP query –Issues creating a ZIP code count of visits in table | Open | 05/17/2017 | 05/17/2017 |
| Improvement | NTA-704 | Non-required fields in DQ report; NTA- 661 | Open | 04/04/2017 | 06/08/2017 |