

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 16X237**

**August 2017
July 1 – July 31, 2017**

Submitted by:

Craig Stancl, Scott Bauer, Cory Endle

**Date:
August 10, 2017**

Contents

| | |
|------------------------------------------------------------------------|---|
| Monthly Technical Status Report..... | 1 |
| A. Technical Overview | 3 |
| B. New Releases of the Software | 4 |
| C. Presentations, Documentation Updates, Community Communication | 4 |
| D. Outstanding Issues Being Actively Worked | 4 |
| E. Critical Risks or External Dependencies | 5 |
| F. Status of Deliverables/Milestones Overview..... | 5 |
| G. Status of Deliverables | 5 |
| H. Description of Work/Activities Planned for the next Month | 6 |
| I. Additional Reporting | 7 |

A. Technical Overview

Sprint 59 (June 22, 2017 – July 5, 2017) has been completed. In this sprint, there has been work on the value set tree integration with the browser API as well as work on creating a new index for resolved value sets to enhance performance. There was also work done to fix the Jenkins test server builds.

Sprint 60 (July 6, 2017 – July 19, 2017) has been completed. In this sprint, there was continued work on providing solutions to retrieve resolved value sets efficiently and improving value set search performance. There has also been work completed to define value set hierarchy from the NCI in an efficient manner. Additionally, there have been tests added to our system test suite for OWL2 load features.

Sprint 61 (July 20, 2017 – August 2, 2017) has been started, and will be reported on next month.

We also provided continued product maintenance and deployment support across all sprints.

Please see the weekly meeting notes for details:

<https://wiki.nci.nih.gov/display/LexEVS/LexEVS+16X237+Weekly+Meeting+Minutes>

Issues Resolved Over the Covered Period

| Sprint | Activity | Description/Comments |
|---------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Sprint 59 | LexEVS Development - Sprint 59 | LexEVS 6.5 Sprint 59 Stories |
| Sprint 59 | LEXEVS-3063 | Implement Value Set Tree Integration for Browser API |
| Sprint 59 | LEXEVS-3121 | Value Set (Browser) Create initial index for coding schemes (resolved value sets) |
| Sprint 59 | LEXSYSTEST-27 | Fix NCI Jenkins dev branch build |
| Sprint 58 | LEXSYSTEST-15 | Code Management: Merge code from 6.5.0 branch to other branches |
| Sprint 60 | LexEVS Development - Sprint 60 | LexEVS 6.5 Sprint 60 Stories |
| Sprint 60 | LEXEVS-2964 | Value Set - (Browser) Provide efficient way to retrieve label (URI) and version of all resolved value set coding schemes |
| Sprint 60 | LEXEVS-2966 | Value Set - (Browser) Efficient retrieval VS definition metadata resolution calls. Faster queries against the definitions themselves. |
| Sprint 60 | LEXEVS-2967 | Value Set - (Browser) Efficient search by code or name - query for value set that this concept matches |

| Sprint | Activity | Description/Comments |
|-----------|-------------------------------|---------------------------------------------------------------------------------------------------------|
| Sprint 60 | LEXEVS-3058 | Value Set: Value Set Hierarchy will be defined from that in the NCI and returned in a performant manner |
| Sprint 60 | LEXEVSREM-145 | Support for Value Set Hierarchy in LexEVS Remote API |
| Sprint 60 | LEXSYSTEST-36 | Update load of OWL2 to accomodate more robust OWL2 load features |

B. New Releases of the Software

| Release | Description of the Release |
|---------|----------------------------|
| | |

C. Presentations, Documentation Updates, Community Communication

| Activity | Description of the Activity |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collaboration with ASU | <ul style="list-style-type: none"> The ASU team has developed a Docker container that has LexEVS, URI Resolver, and CTS2 all running together. They are in the process of finishing this work and will soon have this available for the rest of the LexEVS team to review. |

D. Outstanding Issues Being Actively Worked

| Sprint | Activity/Issue | Description/Comments |
|-----------|------------------------------------------------|------------------------------------------------------------------------------------------|
| Sprint 61 | LexEVS Development - Sprint 61 | LexEVS 6.5 Sprint 61 Stories |
| Sprint 61 | LEXEVS-2678 | Incompatibility in LoadResolvedValueSetDefinition |
| Sprint 61 | LEXEVS-3135 | Default page for lexevsapi6 needs to be updated |
| Sprint 61 | LEXEVS-3136 | Possible HistoryService getDescendants method failure. |
| Sprint 61 | LEXEVS-3137 | Contains type search breaks on special characters. |
| Sprint 61 | LEXEVS-3139 | OWL2 Loader: Mappings getSupportedRepresentationalForm method returns unexpected values. |
| Sprint 61 | LEXEVS-3140 | Value Set (Browser) re-indexing needs to create the new coding scheme with type index |
| Sprint 61 | LEXEVS-3146 | Investigate HistoryService getDescendants failure |
| Sprint 61 | LEXEVS-3165 | Implement simpler approach to resolving a list of all value sets |

| | | |
|-----------|-------------------------------|---------------------------------------------------------------------------------------------------|
| Sprint 61 | LEXEVS-3171 | Investigate options for returning value sets with a non-NCIt default coding scheme (e.g., NDF-RT) |
| Sprint 61 | LEXEVS-3177 | 6.5.0.2 Release: Build Artifacts for 6.5.0.2.FINAL |
| Sprint 61 | LEXEVSREM-146 | Test jars from LexEVS need to be updated to reflect current tests. |
| Sprint 61 | LEXEVSREM-147 | Updating API to provide high performance resolution of value sets |

E. Critical Risks or External Dependencies

| Activity/Issue | Description to corrective activity/issue |
|----------------|------------------------------------------|
|----------------|------------------------------------------|

F. Status of Deliverables/Milestones Overview

We have created a project wiki site out on Confluence Wiki at:

- <https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Project+16X237+Documents>

We have created a JIRA agile board for the LexEVS Development at:

- <https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=374&view=planning.nodetail>

This table of contents breaks out into different areas to capture the weekly meeting notes, monthly technical status reports, an area for documentation and a summary. This site will evolve throughout the lifecycle of this project.

G. Status of Deliverables

| Deliverable/Milestone | Delivery Date | Status |
|--------------------------------|-----------------------------------|------------|
| Project Management Plan (PMP) | 20 days following Project Kickoff | In Process |
| Project Financial Plan (PFP) | 20 days following Project Kickoff | Complete |
| Maintenance of Software System | 09/30/2017 | In Process |
| Provide Technical Expertise | 09/30/2017 | In Process |
| Project Wiki | 10/20/2017 | Complete |

| Deliverable/Milestone | Delivery Date | Status |
|------------------------------|-----------------------------------|---------------|
| Monthly Technical Reports: | | |
| October 2016 | 11/10/2016 | Complete |
| November 2016 | 12/10/2016 | Complete |
| December 2016 | 01/10/2017 | Complete |
| January 2017 | 02/10/2017 | Complete |
| February 2017 | 03/10/2017 | Complete |
| March 2017 | 04/10/2017 | Complete |
| April 2017 | 05/10/2017 | Complete |
| May 2017 | 06/10/2017 | Complete |
| June 2017 | 07/10/2017 | Complete |
| July 2017 | 08/10/2017 | Complete |
| Monthly Financial Reports: | | |
| October 2016 | 11/10/2016 | Complete |
| November 2016 | 12/10/2016 | Complete |
| December 2016 | 01/10/2016 | Complete |
| January 2017 | 02/10/2017 | Complete |
| February 2017 | 03/10/2017 | Complete |
| March 2017 | 04/10/2017 | Complete |
| April 2017 | 05/10/2017 | Complete |
| May 2017 | 06/10/2017 | Complete |
| June 2017 | 07/10/2017 | Complete |
| July 2017 | 08/10/2017 | Complete |
| Project Summary Report | 30 Days Before Project Completion | Not Started |

H. Description of Work/Activities Planned for the next Month

| Activity | Description |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| LexEVS 6.5.0 Release | <ul style="list-style-type: none"> Support NCI as this release moves up the tiers. |
| Value Set Architecture/Design | <ul style="list-style-type: none"> Continue development on new value set architecture. Review with NCI team. |
| Docker and LexEVS Integration | <ul style="list-style-type: none"> Investigate ability to deploy a Docker container of LexEVS on NCI's development server. |
| Continued support for LexEVS | <ul style="list-style-type: none"> Continue to work with the NCI team on new and existing issues. |

I. Additional Reporting

| Activity | Description |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Roadmaps | <ul style="list-style-type: none">• Roadmap 2017.07.25• Roadmap 2017.07.18• Roadmap 2017.07.11• Roadmap 2017.07.04 |
| Sprint Status | <ul style="list-style-type: none">• Sprint 61• Sprint 60• Sprint 59 |