

Monthly Technical Status Report

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

July 2017
June 1 – June 30, 2017

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A. Technical Overview

Sprint 57 (May 25, 2017 – June 7, 2017) has been completed. In this sprint, there has been development work on value set workflow enhancements. Lexgrid.org domain was moved to a github location from a Mayo server. LexEVS 6.5.0 artifacts were built and made available for NCI to start deploying and testing on their different deployment tiers. New LexEVS 6.5.0 javadoc documentation was also generated and made available from the NCI LexEVS wiki.

Sprint 58 (June 8, 2017 – June 21, 2017) has been completed. In this sprint, LexEVS 6.5.0.1 has been built and made available. This release included an OWL2 loader fix. Continued development work on value set workflow enhancements has been done. LexEVS 6.5.0 code has been merged to NCI's git repositories. The Docker test script now pulls software images from NCI's internal Docker repository.

Sprint 59 (June 22, 2017 – July 7, 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 57	LexEVS Development - Sprint 57	LexEVS 6.5 Sprint 57 Stories
Sprint 57	LEXEVS-2839	6.5.0 Release: (post release) Add 6.5.0 FINAL artifacts to sftp site
Sprint 57	LEXEVS-2841	6.5.0 Release: (post release) Update Installation and Downloads section for 6.5.0
Sprint 57	LEXEVS-2882	6.5.0 Release: (post release) Update Documents and Training section for 6.5.0
Sprint 57	LEXEVS-2961	VS Workflow: Remove Dependency on value set definition files for NCIt defined Value Sets
Sprint 57	LEXEVS-2962	VS Workflow: Generate all NCIt sourced resolved value set coding schemes from NCIt source in LexEVS
Sprint 57	LEXEVS-2970	Move LexGrid.org to github.io page
Sprint 57	LEXEVS-2989	Prioritize Value Set Related Implementations
Sprint 57	LEXEVS-3000	Set up Collaboration with ASU
Sprint 57	LEXEVS-3014	6.5.0 Release: (post release) Update javadocs for 6.5.0
Sprint 57	LEXEVS-3032	Investigate options to pull from different Docker repositories

Sprint	Activity	Description/Comments
Sprint 57	LEXEVS-3040	Investigate LexEVS API for creating/updating entities
Sprint 57	LEXEVS-3042	Extraneous extra spaces caused by line return fix
Sprint 57	LEXEVS-3046	6.5.0.1 Release: Build Artifacts for 6.5.0.1.RC.1
Sprint 58	LexEVS Development - Sprint 58	LexEVS 6.5 Sprint 58 Stories
Sprint 58	CTS2FW-66	Code Management: Merge code from 1.3.0 branch to other branches
Sprint 58	LEXEVS-2499	Code Management: Work with NCI to push LexEVS branches to the NCIP channel
Sprint 58	LEXEVS-3015	Code Management: Merge code from 6.5.0 branch to other branches
Sprint 58	LEXEVS-3057	Value Set - Definition for LexEVS Value Set Definition Asserted Source Task
Sprint 58	LEXEVS-3067	Value Set: Thread management for resolved value set loads
Sprint 58	LEXEVS-3071	Value Set Publishing Value Needs to be used to determine VS Loads
Sprint 58	LEXEVS-3072	Code Management: 6.5.0.1 Release: Build Artifacts for 6.5.0.1.FINAL
Sprint 58	LEXEVS-3073	We want to merge all Value Set workflow branches to single development branch
Sprint 58	LEXEVS-3074	Value Set: Create User Defined property name parameter for Concept Domain
Sprint 58	LEXEVS-3092	Hierarchy Source adjustment in LEXEVS-1300 fix creates an unsupported association
Sprint 58	LEXEVS-3096	Merge Dev into Value Set Work Flow branch and test
Sprint 58	LEXEVS-3101	Code clean up including refactoring, additional testing, any minor issues
Sprint 58	LEXEVS-3105	Hierarchy design/Investigation
Sprint 58	LEXEVSCTS2-182	Code Management: Merge code from 1.6.0 branch to other branches
Sprint 58	LEXEVSCTS2-186	Code Management: Work with NCI to push of Lexevs-service branches to the NCIP channel
Sprint 58	LEXEVSREM-136	Code Management: Merge code from 6.5.0 branch to other branches
Sprint 58	LEXEVSREM-141	Code Management: Work with NCI to push LexEVS Remote branches to the NCIP channel
Sprint 58	LEXSYSTEST-15	Code Management: Merge code from 6.5.0 branch to other branches
Sprint 58	LEXSYSTEST-19	DevOps: Update docker test scripts to pull images from NCI Docker

B. New Releases of the Software

Release	Description of the Release
Release Date: Sprint 58: June 8, 2017 – June 21, 2017 The LexEVS 6.5.0.1 release consists of the following components: LexEVS API <ul style="list-style-type: none"> LexEVS-install-config-6.5.0.FINAL.xml LexEVS-install-6.5.0.FINAL.jar extLib-6.5.0.FINAL.zip lexbig-6.5.0.FINAL.jar 	LexEVS 6.5.0.1 FINAL Release Highlights <ul style="list-style-type: none"> Emergent fix for formatting issues around equivalent class restriction text Details of the features and defects fixed can be found here: LexEVS 6.5.0.1 Release Notes

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
Added new wiki page for LexEVS 6.5.0.1 release	<ul style="list-style-type: none"> https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.5.0.1+Release+Notes

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	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

E. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
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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
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
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
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">• Complete 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.
REST Service Requirements Gathering	<ul style="list-style-type: none">• Gather requirements from REST users. Begin design REST service(s) to satisfy the requirements.
Continued support for LexEVS	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 2017.06.27• Roadmap 2017.06.20• Roadmap 2017.06.13• Roadmap 2017.06.06
Sprint Status	<ul style="list-style-type: none">• Sprint 57• Sprint 58• Sprint 59