

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 16X237
Option Year 2**

January 2019
January 1 – January 31, 2019

Submitted by:

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A. Technical Overview

Sprint 98 (December 20, 2018 – January 2, 2019) has been completed. In this sprint, the team investigated the effort it would take to upgrade LexEVS from Java 8 to Java 9. As part of this sprint, there were two releases. LexEVS 6.5.1.3 was released. This was a loader update. LexEVS 6.5.2.RC.2 was also built and released.

Sprint 99 (January 3, 2019 – January 16, 2019) has been completed. In this sprint, the team improved the efficiency of retrieving mapping data from a mapping coding scheme, fixed the MRMAP load option in the admin UI, and updated the MappingExtension to eliminate compilations errors. There was also work done on the REST service to fix the call to retrieve resolved value sets.

Sprint 100 (January 17, 2019 – January 30, 2019) has been completed. In this sprint, there was an update to improve the logging for the LexEVS loads, and a fix was made for REST service to retrieve resolved value sets. There was also some investigation completed for the value set hierarchy call failing on the Dev and QA tiers. As part of this sprint, LexEVS 6.5.2.RC.3 and LexEVS 6.5.2.RC.4 were built and released.

Sprint 101 (January 31, 2018 – February 13, 2019) 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 98	LexEVS Development - Sprint 98	LexEVS 6.5 Sprint 98 Stories
Sprint 98	LEXEVS-4247	6.5.1.3 Release: Build Artifacts for 6.5.1.3.FINAL
Sprint 98	LEXEVS-4248	6.5.1.3 Release: Create wiki page for 6.5.1.3 release
Sprint 98	LEXEVS-4249	6.5.2 Release: Build Artifacts for 6.5.2.RC.2
Sprint 98	LEXEVS-4263	Investigate Upgrading to Java 9
Sprint 98	LEXEVSCTS2-309	6.5.2 Release: Build Artifacts for 6.5.2.RC.2
Sprint 98	LEXEVSREM-302	6.5.2 Release: Build Artifacts for 6.5.2.RC.2
Sprint 99	LexEVS Development - Sprint 99	LexEVS 6.5 Sprint 99 Stories
Sprint 99	LEXEVS-4240	API: Improve the efficiency of retrieving mapping data from a mapping coding scheme.
Sprint 99	LEXEVS-4279	lbGUI fails on MRMAP Load

Sprint	Activity	Description/Comments
Sprint 99	LEXEVS-4286	White paper rewrite
Sprint 99	LEXEVSCTS2-315	Update extension of MappingExtension to eliminate compilations errors
Sprint 100	LexEVS Development - Sprint 100	LexEVS 6.5 Sprint 100 Stories
Sprint 100	LEXEVS-4155	Loader: I would like anything output to console during loads to be written to LexBIG_load_log.txt
Sprint 100	LEXEVS-4244	Loader: Coding scheme and namespace do not match up for NCIt generated VS definitions
Sprint 100	LEXEVS-4285	Evaluate and Take Action on the LexBIGService Minimal Coding Scheme Resolution
Sprint 100	LEXEVS-4289	Backlog Cleanup
Sprint 100	LEXEVS-4299	6.5.2 Release: Build Artifacts for 6.5.2.RC.3
Sprint 100	LEXEVS-4306	Investigate And Describe new MappingExtension function
Sprint 100	LEXEVS-4307	Investigate Value Set Hierarchy Failure on Dev and QA
Sprint 100	LEXEVS-4311	6.5.2 Release: Build Artifacts for 6.5.2.RC.4
Sprint 100	LEXEVS-4323	Merge LEXEVS-4155 to Dev
Sprint 100	LEXEVSCTS2-318	Service needs account for asserted VS when resolving VS
Sprint 100	LEXEVSCTS2-322	6.5.2 Release: Build Artifacts for 6.5.2.RC.3
Sprint 100	LEXEVSCTS2-328	Evaluate performance of the resolved value set query in the REST service
Sprint 100	LEXEVSCTS2-329	6.5.2 Release: Build Artifacts for 6.5.2.RC.4
Sprint 100	LEXEVSREM-309	6.5.2 Release: Build Artifacts for 6.5.2.RC.3
Sprint 100	LEXEVSREM-316	6.5.2 Release: Build Artifacts for 6.5.2.RC.4
Sprint 100	LEXSYSTEST-131	Create system tests for resolved value sets

B. New Releases of the Software

Release	Description of the Release
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<p>Release Date: Sprint 98: December 20, 2018 – January 2, 2019</p> <p>The LexEVS 6.5.2.RC.2 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.2.RC.2.xml • LexEVS-install-6.5.2.RC.2.jar • extLib-6.5.2.RC.2.zip • lexbig-6.5.2.RC.2.jar 	<p>LexEVS 6.5.2.RC.2 Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • API/Bug fixes <p>Details of the features and defects fixed can be found here: LexEVS 6.5.2.RC.2 issues</p>
<p>Release Date: Sprint 98: December 20, 2018 – January 2, 2019</p> <p>The LexEVS 6.5.1.3.FINAL release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.3.FINAL.xml • LexEVS-install-6.5.1.3.FINAL.jar • extLib-6.5.1.3.FINAL.zip • lexbig-6.5.1.3.FINAL.jar 	<p>LexEVS 6.5.1.3.FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • Loader fixes <p>Details of the features and defects fixed can be found here: LexEVS 6.5.1.3.FINAL issues</p>
<p>Release Date: Sprint 100: January 17, 2019 – January 30, 2019</p> <p>The 6.5.2.RC.3 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.2.RC.3.xml • LexEVS-install-6.5.2.RC.3.jar • extLib-6.5.2.RC.3.zip • lexbig-6.5.2.RC.3.jar 	<p>LexEVS 6.5.2.RC.3 Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • API Updates <p>Details of the features and defects fixed can be found here: LexEVS 6.5.2.RC.3 issues</p>

<p>Release Date: Sprint 100: January 17, 2019 – January 30, 2019</p> <p>The 6.5.2.RC.4 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.2.RC.4.xml • LexEVS-install-6.5.2.RC.4.jar • extLib-6.5.2.RC.4.zip • lexbig-6.5.2.RC.4.jar 	<p>LexEVS 6.5.2.RC.4 Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • API Updates <p>Details of the features and defects fixed can be found here: LexEVS 6.5.2.RC.4 issues</p>
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C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 101	LexEVS Development - Sprint 101	LexEVS 6.5 Sprint 101 Stories
Sprint 101	LEXEVS-4309	API: ValueSetHierarchyValues config remain the same after any user query.
Sprint 101	LEXEVS-4310	API: Check backwards compatibility for 6.5.2 with Remote API using 6.5.1 client
Sprint 101	LEXEVS-4330	6.5.2 Release: Build Artifacts for 6.5.2.RC.5
Sprint 101	LEXEVS-4340	White Paper Wrap up, Formatting and Final Review
Sprint 101	LEXEVSCTS2-337	Implement fix for performance issues retrieving resolved valuesets
Sprint 101	LEXEVSCTS2-341	6.5.2 Release: Build Artifacts for 6.5.2.RC.5
Sprint 101	LEXEVSREM-323	6.5.2 Release: Build Artifacts for 6.5.2.RC.5

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	Ongoing	In Process
Provide Technical Expertise	Ongoing	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
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete
October 2017	11/10/2017	Complete
November 2017	12/10/2017	Complete
December 2017	01/10/2018	Complete
January 2018	02/10/2018	Complete
February 2018	03/10/2018	Complete
March 2018	04/10/2018	Complete
April 2018	05/10/2018	Complete
May 2018	06/10/2018	Complete
June 2018	07/10/2018	Complete
July 2018	08/10/2018	Complete
August 2018	09/10/2018	Complete
September 2018	10/10/2018	Complete
October 2018	11/10/2018	Complete
November 2018	12/10/2018	Complete
December 2018	01/10/2019	Complete
January 2019	02/10/2019	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial 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
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete
October 2017	11/10/2017	Complete
November 2017	12/10/2017	Complete
December 2017	01/10/2018	Complete
January 2018	02/10/2018	Complete
February 2018	03/10/2018	Complete
March 2018	04/10/2018	Complete
April 2018	05/10/2018	Complete
May 2018	06/10/2018	Complete
June 2018	07/10/2018	Complete
July 2018	08/10/2018	Complete
August 2018	09/10/2018	Complete
September 2018	10/10/2018	Complete
October 2018	11/10/2018	Complete
November 2018	12/10/2018	Complete
December 2018	01/10/2019	Complete
January 2018	02/10/2019	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
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Activity	Description
Architecture and Mapping assistance	<ul style="list-style-type: none"> • Work with EVS team to further define the future EVS architecture • Work with the EVS to review mapping options and develop mapping requirements • Review the value set workbench application with NCI editors.
Plan for the next LexEVS release(s)	<ul style="list-style-type: none"> • Create the following releases: <ul style="list-style-type: none"> ○ LexEVS 6.5.2 and its components <ul style="list-style-type: none"> ▪ LexEVS 6.5.2: new features/updates ▪ LexEVS Remote 6.5.2: new features/updates ▪ CTS2 Service 1.6.2: security update ▪ URI Resolver 1.1.1: security update
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
Sprint Status	<ul style="list-style-type: none"> • Sprint 98 • Sprint 99 • Sprint 100