

# **Monthly Technical Status Report**

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

**April 2019**  
April 1 – April 30, 2019

**Submitted by:**

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**Date:**  
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# Contents

- Monthly Technical Status Report..... 1
- A. Technical Overview ..... 3
- B. New Releases of the Software ..... 4
- C. Presentations, Documentation Updates, Community Communication ..... 5
- D. Outstanding Issues Being Actively Worked ..... 5
- E. Critical Risks or External Dependencies ..... 6
- F. Status of Deliverables/Milestones Overview..... 6
- G. Status of Deliverables ..... 6
- H. Description of Work/Activities Planned for the next Month ..... 8
- I. Additional Reporting ..... 9

## A. Technical Overview

Sprint 105 (March 28, 2019 – April 10, 2019) has been completed. In this sprint, the team enhanced the tree extension code and updated a section of our build script. As part of this sprint, we released our final build for LexEVE 6.5.2 and started updating our wiki pages that support this release.

Sprint 106 (April 11, 2019 – April 24, 2019) has been completed. In this sprint, there was additional wiki documentation updates performed related to the LexEVS 6.5.2 release. The team created new features for the value set API and fixed an issue with the hierarchy API. As part of this sprint, we released a snapshot build of our LexEVS development environment.

Sprint 107 (April 25, 2019 – May 8, 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:

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 105	<a href="#">LexEVS Development - Sprint 105</a>	LexEVS 6.5 Sprint 105 Stories
Sprint 105	<a href="#">CTS2FW-133</a>	6.5.2 Release: Build Artifacts for 6.5.2.FINAL
Sprint 105	<a href="#">LEXEVS-4418</a>	LexEVS build - clean out directories before starting new build
Sprint 105	<a href="#">LEXEVS-4424</a>	Update Wiki LexEVS Release page
Sprint 105	<a href="#">LEXEVS-4444</a>	Tree Extension: Support for enforced single hierarchy tree resolution
Sprint 105	<a href="#">LEXEVS-4453</a>	6.5.2 Release: Build Artifacts for 6.5.2.FINAL
Sprint 105	<a href="#">LEXEVSCTS2-363</a>	6.5.2 Release: Build Artifacts for 6.5.2.FINAL
Sprint 105	<a href="#">LEXEVSREM-352</a>	6.5.2 Release: Build Artifacts for 6.5.2.FINAL
Sprint 105	<a href="#">LEXREMCLI-36</a>	6.5.2 Release: Build Artifacts for 6.5.2.FINAL
Sprint 106	<a href="#">LexEVS Development - Sprint 106</a>	LexEVS 6.5 Sprint 106 Stories
Sprint 106	<a href="#">LEXEVS-3574</a>	DevOps: Set up local environment for building Docker containers
Sprint 106	<a href="#">LEXEVS-3628</a>	API: Need a convenience method for returning a HashMap with value set URI as the Key and ValueSetDefinition as the value.
Sprint 106	<a href="#">LEXEVS-4476</a>	Doc: Create 6.5.2 Development documents on the Wiki
Sprint 106	<a href="#">LEXEVS-4477</a>	Create 6.5.2 PTE documents

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 106	<a href="#">LEXEVS-4479</a>	Confirm LexEVS export works for HL7 vocabulary.
Sprint 106	<a href="#">LEXEVS-4480</a>	Review current NCI tech stack
Sprint 106	<a href="#">LEXEVS-4502</a>	Snapshot Release: Build Artifacts for DEV
Sprint 106	<a href="#">LEXEVS-4508</a>	Hierarchy API fails when resolving empty or poorly referenced hierarchies
Sprint 106	<a href="#">LEXEVSCTS2-369</a>	Updating LexEVS Stub class to comply with LexEVS api updates
Sprint 106	<a href="#">LEXEVSREM-359</a>	Adding a new method to the LexEVSAPI for a convenience method
Sprint 106	<a href="#">LEXREMCLI-41</a>	Create a dependency zip for LexEVS Distributed Client
Sprint 106	<a href="#">LEXREMCLI-43</a>	Investigate remote packaging and provide a set of individual dependencies

## **B. New Releases of the Software**

<b>Release</b>	<b>Description of the Release</b>
<p>Release Date: Sprint 105: March 28, 2019 – April 10, 2019</p> <p>The LexEVS 6.5.2.FINAL release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.5.2.FINAL.xml</li> <li>• LexEVS-install-6.5.2.FINAL.jar</li> <li>• extLib-6.5.2.FINAL.zip</li> <li>• lexbig-6.5.2.FINAL.jar</li> </ul>	<p><b>LexEVS 6.5.2.FINAL Release</b></p> <p>Highlights</p> <ul style="list-style-type: none"> <li>• Loader fixes</li> <li>• API enhancements/fixes</li> </ul> <p>Details of the features and defects fixed can be found here: <a href="#">LexEVS 6.5.2.FINAL issues</a></p>

<p>Release Date: Sprint 106: April 11, 2019 – April 25, 2019</p> <p>The LexEVS SNAPSHOT.DEV.SPRINT106.2019.04.17 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-SNAPSHOT.DEV.SPRINT106.2019.04.17.xml</li> <li>• LexEVS-install-SNAPSHOT.DEV.SPRINT106.2019.04.17.jar</li> <li>• extLib-SNAPSHOT.DEV.SPRINT106.2019.04.17.zip</li> <li>• lexbig-SNAPSHOT.DEV.SPRINT106.2019.04.17.jar</li> </ul>	<p><b>LexEVS SNAPSHOT.DEV.SPRINT106.2019.04.17 Release</b></p> <p>Highlights</p> <ul style="list-style-type: none"> <li>• OBIB Loader enhancements</li> </ul> <p>Details of the features and defects fixed can be found here: <a href="#">LexEVS SNAPSHOT.DEV.SPRINT106.2019.04.17 issues</a></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 107	<a href="#">LexEVS Development - Sprint 107</a>	LexEVS 6.5 Sprint 107 Stories
Sprint 107	<a href="#">LEXEVS-3571</a>	DevOps: Investigate setting up Docker containers on NCI Systems
Sprint 107	<a href="#">LEXEVS-3627</a>	API: Need a convenience method for categorizing coding schemes by type.
Sprint 107	<a href="#">LEXEVS-4527</a>	Snapshot Release: Build Artifacts for DEV
Sprint 107	<a href="#">LEXEVS-4535</a>	Restricting hierarchy implementation for Tree Extension Part 2
Sprint 107	<a href="#">LEXEVS-4540</a>	DevOps: Investigate how to call NCI's centos7_tomcat85 image and start it correctly

## 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	Ongoing	In Process
Provide Technical Expertise	Ongoing	In Process
Project Wiki	10/20/2017	Complete

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
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
February 2019	03/10/2019	Complete
March 2019	04/10/2019	Complete
April 2019	05/10/2019	Complete

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
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 2019	02/10/2019	Complete
February 2019	03/10/2019	Complete
March 2019	04/10/2019	Complete
April 2019	05/10/2019	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

<b>Activity</b>	<b>Description</b>
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Activity	Description
Plan/assist for the next LexEVS release(s)	<ul style="list-style-type: none"> <li>• Create the following releases:               <ul style="list-style-type: none"> <li>○ LexEVS 6.5.2 and its components                   <ul style="list-style-type: none"> <li>▪ LexEVS 6.5.2: new features/updates</li> <li>▪ LexEVS Remote 6.5.2: new features/updates</li> <li>▪ CTS2 Service 1.6.2: security update</li> <li>▪ URI Resolver 1.1.1: security update</li> </ul> </li> </ul> </li> </ul>
Continued support for LexEVS	<ul style="list-style-type: none"> <li>• Continue to work with the NCI team on new and existing issues.</li> </ul>
Docker Development	<ul style="list-style-type: none"> <li>• Work on deploying LexEVS components as Docker containers.</li> </ul>

## I. Additional Reporting

Activity	Description
Sprint Status	<ul style="list-style-type: none"> <li>• <a href="#">Sprint 105</a></li> <li>• <a href="#">Sprint 106</a></li> <li>• <a href="#">Sprint 107</a></li> </ul>