

# **Monthly Technical Status Report**

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

**December 2018**  
December 1 – December 31, 2018

**Submitted by:**

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**Date:**  
**January 10, 2019**

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## A. Technical Overview

Sprint 96 (November 22, 2018 – December 5, 2018) has been completed. In this sprint, the team updated the LexEVS REST service with an improved pattern matching class, made an update to the NCI Thesaurus version in the URI Resolver, and added a feature to our LexEVS loader to provide the ability to configure transitive and inverse hierarchies at load time. As part of this sprint, LexEVS 6.5.1.2 was built and released.

Sprint 97 (December 6, 2018 – December 19, 2018) has been completed. In this sprint, the team provided a LexEVS loader update that will load MED-RT with correct namespaces and dependent terminologies. There was also an update to the database that now allows LexEVS to use the new MySQL file format, Barracuda, for creating larger database indexes. As part of this sprint, LexEVS 6.5.2.RC.1 was built and released.

Sprint 98 (December 20, 2018 – January 2, 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 96	<a href="#">LexEVS Development - Sprint 96</a>	LexEVS 6.5 Sprint 96 Stories
Sprint 96	<a href="#">CTS2FW-126</a>	Update CTS2 Framework with a better version of PatternMatcher
Sprint 96	<a href="#">LEXEVS-4129</a>	Loader: Provide the ability to configure transitive and inverse hierarchies at load time
Sprint 96	<a href="#">LEXEVS-4211</a>	Run additional performance tests of MySQL on DATA DEV for BARRACUDA
Sprint 96	<a href="#">LEXEVS-4215</a>	6.5.1.2 Release: Build Artifacts for 6.5.1.2.FINAL
Sprint 96	<a href="#">LEXEVS-4223</a>	Request DATA DEV DB be updated to Antelope
Sprint 96	<a href="#">LEXEVS-4224</a>	Run additional performance tests of MySQL on DATA DEV for ANTELOPE
Sprint 96	<a href="#">LEXEVS-4228</a>	Loader: Investigate strange WARNING log messages during loads (LEXEVS-2460)
Sprint 96	<a href="#">LEXEVSCTS2-308</a>	Update this service to latest test framework
Sprint 96	<a href="#">URIRESOLV-40</a>	Update URI_Resolver database
Sprint 97	<a href="#">LexEVS Development - Sprint 97</a>	LexEVS 6.5 Sprint 97 Stories

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 97	<a href="#">LEXEVS-3613</a>	Loader: Truncated role qualifiers in Ontology for Biobanking
Sprint 97	<a href="#">LEXEVS-4105</a>	6.5.2 Release: Build Artifacts for 6.5.2.RC.1
Sprint 97	<a href="#">LEXEVS-4183</a>	Loader: LexEVS will load MED-RT with correct namespaces and dependent terminologies
Sprint 97	<a href="#">LEXEVS-4236</a>	Whitepaper citations and edits
Sprint 97	<a href="#">LEXEVS-4238</a>	Create 6.5.2 Release Notes wiki page
Sprint 97	<a href="#">LEXEVS-4239</a>	Branch in Dev should have been created on v6.5.1.
Sprint 97	<a href="#">LEXEVS-4241</a>	Replaying LEXEVS-4129 changes to the 6.5.1 branch
Sprint 97	<a href="#">LEXEVS-4242</a>	Replaying LEXEVS-4183 commits to v6.5.1
Sprint 97	<a href="#">LEXEVS-4243</a>	Prepare for valueset workbench demo
Sprint 97	<a href="#">LEXEVSCTS2-292</a>	6.5.2 Release: Build Artifacts for 6.5.2.RC.1
Sprint 97	<a href="#">LEXEVSREM-287</a>	6.5.2 Release: Build Artifacts for 6.5.2.RC.1
Sprint 97	<a href="#">LEXSYSTEST-125</a>	Update MySQL to be configured for the Barracuda file format
Sprint 97	<a href="#">LEXSYSTEST-129</a>	Create Jenkins systems tests for the lexevs 6.5.2 branch
Sprint 97	<a href="#">LEXSYSTEST-130</a>	6.5.2 Release: create v6.5.2 branch
Sprint 97	<a href="#">URIRESOLV-44</a>	1.1.1 Release: Build Artifacts for 6.5.2.RC.1

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

<b>Release</b>	<b>Description of the Release</b>
<p>Release Date: Sprint 96: November 22, 2018 – December 5, 2018</p> <p>The LexEVS 6.5.1.2 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.5.1.2.FINAL.xml</li> <li>• LexEVS-install-6.5.1.2.FINAL.jar</li> <li>• extLib-6.5.1.2.FINAL.zip</li> <li>• lexbig-6.5.1.2.FINAL.jar</li> </ul>	<p>LexEVS 6.5.1.2.FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> <li>• Loader fixes</li> </ul> <p>Details of the features and defects fixed can be found here: <a href="#">LexEVS 6.5.1.2.FINAL issues</a></p>

Release Date: Sprint 97: December 6, 2018 – December 19, 2018  The 6.5.2.RC.1 release consists of the following components:  LexEVS API <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.5.2.RC.1.xml</li> <li>• LexEVS-install-6.5.2.RC.1.jar</li> <li>• extLib-6.5.2.RC.1.zip</li> <li>• lexbig-6.5.2.RC.1.jar</li> </ul>	LexEVS 6.5.2.RC.1 Release  Highlights <ul style="list-style-type: none"> <li>• API Updates</li> <li>• Loader fixes</li> </ul> Details of the features and defects fixed can be found here: <a href="#">LexEVS 6.5.2.RC.1 issues</a>
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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 98	<a href="#">LexEVS Development - Sprint 98</a>	LexEVS 6.5 Sprint 98 Stories
Sprint 98	<a href="#">LEXEVS-4247</a>	6.5.1.3 Release: Build Artifacts for 6.5.1.3.FINAL
Sprint 98	<a href="#">LEXEVS-4248</a>	6.5.1.3 Release: Create wiki page for 6.5.1.3 release
Sprint 98	<a href="#">LEXEVS-4249</a>	6.5.2 Release: Build Artifacts for 6.5.2.RC.2
Sprint 98	<a href="#">LEXEVS-4263</a>	Investigate Upgrading to Java 9
Sprint 98	<a href="#">LEXEVSCTS2-309</a>	6.5.2 Release: Build Artifacts for 6.5.2.RC.2
Sprint 98	<a href="#">LEXEVSREM-302</a>	6.5.2 Release: Build Artifacts for 6.5.2.RC.2

### 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**

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
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

<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

<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
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>
Architecture and Mapping assistance	<ul style="list-style-type: none"> <li>• Work with EVS team to further define the future EVS architecture</li> <li>• Work with the EVS to review mapping options and develop mapping requirements</li> </ul>



Activity	Description
Plan 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 6.5.1.4: loader updates</li> <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>

## I. Additional Reporting

Activity	Description
Sprint Status	<ul style="list-style-type: none"> <li>• <a href="#">Sprint 96</a></li> <li>• <a href="#">Sprint 97</a></li> <li>• <a href="#">Sprint 98</a></li> </ul>