

# **Monthly Technical Status Report**

**LexEVS Operations and Maintenance  
Subcontract No. 13XS500 – Modification 8**

**August 2016**

July 1 – July 31, 2016

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**Date:**

**August 10, 2016**

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## A. Technical Overview

Sprint 33 (June 23, 2016 – July 06, 2016) has been completed. In this sprint we added additional support for the HL7 and OWL2 loaders. We also created LexEVS artifacts for our 6.4 release candidate.

Sprint 34 (July 07, 2016 – July 20, 2016) has been completed. In this sprint we completed work on LexEVS 6.4. This included updating the wiki documentation for the LexEVS 6.4 release, updating the Git code repositories with the final branch and tag, and creating the final LexEVS artifacts for our 6.4 release. We also continued working on an OWL2 loader feature and started planning for the next releases.

Sprint 35 (July 21, 2016 – August 03, 2016) has been started, but there are no updates for this 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+6.3+and+6.4+Weekly+Meeting+Minutes>

## B. Issues Resolved Over the Covered Period

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 33	<a href="#">LexEVS 6.4 - Sprint 33</a>	LexEVS 6.4 Sprint 33 Stories
Sprint 33	<a href="#">LEXEVS-1037</a>	Loader - HL7: HL7 SupportedNamespaces data issue.
Sprint 33	<a href="#">LEXEVS-1335</a>	Loader - OWL2: Load of OWL2 sources will deal with only and exactly restrictions
Sprint 33	<a href="#">LEXEVS-1336</a>	Loader - OWL2: Load of OWL2 sources will deal with has role relationships from "some" restrictions
Sprint 33	<a href="#">LEXEVS-1337</a>	Loader - OWL2: Anotation uses individuals
Sprint 33	<a href="#">LEXEVS-1888</a>	Merge lexevs dev code to the master branch in git
Sprint 33	<a href="#">LEXEVS-1984</a>	Create Artifacts - 6.4 LexEVS API
Sprint 33	<a href="#">LEXEVS-1985</a>	Create Artifacts - 6.4 LexEVS Remote API
Sprint 33	<a href="#">LEXEVS-1986</a>	Create Artifacts - 6.4 CTS2 Service
Sprint 33	<a href="#">LEXEVS-2016</a>	Loader - HL7: entityType format needs to be updated
Sprint 33	<a href="#">LEXEVS-2024</a>	Review LexEVS model for possible positioning of operand logic

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 33	<a href="#">LexEVS 6.4 - Sprint 34</a>	LexEVS 6.4 Sprint 34 Stories
Sprint 34	<a href="#">LEXEVS-1338</a>	Loader - OWL2: Load of OWL2 sources will deal with tagged obo namespace values as resolvable properties
Sprint 34	<a href="#">LEXEVS-2026</a>	Documentation: Provide LexEVS 6.4 documentation to support production deployment
Sprint 34	<a href="#">LEXEVS-2027</a>	Documentation: Update 6.x documentation to include 6.4 references
Sprint 34	<a href="#">LEXEVS-2028</a>	Documentation: Create 6.4 install and download pages.
Sprint 34	<a href="#">LEXEVS-2029</a>	Documentation: Create 6.4 release wiki pages.
Sprint 34	<a href="#">LEXEVS-2031</a>	Documentation: Update Release Roadmap to include LexEVS 6.4
Sprint 34	<a href="#">LEXEVS-2032</a>	Documentation: Update 6.4 Release notes to describe features/issues resolved in this release.
Sprint 34	<a href="#">LEXEVS-2033</a>	Documentation: Create CTS2 wiki page for 6.4 changes
Sprint 34	<a href="#">LEXEVS-2034</a>	Investigate Issue LexEVS-1999
Sprint 34	<a href="#">LEXEVS-2035</a>	As a team, we need to plan for 6.5 development
Sprint 34	<a href="#">LEXEVS-2039</a>	Merge lexevs-remote dev branch to the master branch in git
Sprint 34	<a href="#">LEXEVS-2040</a>	Merge lexevs-service (CTS2) dev branch to the master branch in git
Sprint 34	<a href="#">LEXEVS-2058</a>	Create Artifacts - 6.4 LexEVS
Sprint 34	<a href="#">LEXEVS-2063</a>	Verify issue LEXEVS-2020 (getIsPreferred) is fixed in LexEVS 6.4
Sprint 34	<a href="#">LEXEVS-2068</a>	Create Artifacts - 6.4 LexEVS Remote API
Sprint 34	<a href="#">LEXEVS-2072</a>	Create Artifacts - 6.4 CTS2 Service
Sprint 34	<a href="#">LEXEVS-2078</a>	Lexevs install script completes with an error - gui/Linux-lbGUI.sh does not exist anymore
Sprint 34	<a href="#">LEXEVS-2093</a>	Create FINAL Artifacts - 6.4 LexEVS
Sprint 34	<a href="#">LEXEVS-2094</a>	Create FINAL Artifacts - 6.4 LexEVS Remote API

Sprint	Activity	Description/Comments
Sprint 34	<a href="#">LEXEVS-2095</a>	Create FINAL Artifacts - 6.4 CTS2 Service
Sprint 34	<a href="#">LEXEVS-2119</a>	Remove SQL drivers from LexEVS install/packaging
Sprint 34	<a href="#">LEXEVS-2123</a>	Update LexEVS 6.4 to reference current version
Sprint 34	<a href="#">LEXEVS-2124</a>	Update LexEVS license information
Sprint 34	<a href="#">LEXEVS-2127</a>	Remove admin guides and update Mayo and NCI reference names
Sprint 34	<a href="#">LEXEVS-2132</a>	Documentation: Update miscellaneous documentation links and text

### C. New Releases of the Software

Release	Description of the Release
<p>LexEVS 6.4.0 FINAL Release</p> <p><a href="#">LexEVS 6.4.0 Release Notes</a> for the final release.</p> <p>Features added since the previous release:</p> <ul style="list-style-type: none"> <li>• <a href="#">LEXEVS-2124</a> Update LexEVS license information</li> <li>• <a href="#">LEXEVS-2127</a> Remove admin guides and update Mayo and NCI reference names</li> <li>• <a href="#">LEXEVS-2132</a> Documentation: Update miscellaneous documentation links and text</li> <li>• <a href="#">LEXEVS-2119</a> Remove SQL drivers from LexEVS install/packaging</li> <li>• <a href="#">LEXEVS-2078</a> Lexevs install script completes with an error - gui/Linux-lbGUI.sh does not exist anymore</li> </ul>	<p>The LexEVS 6.4.0 release consists of the following 3 components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.4.0.FINAL.xml</li> <li>• LexEVS-install-6.4.0.FINAL.jar</li> <li>• extLib-6.4.0.FINAL.zip</li> <li>• lexbig-6.4.0.FINAL.jar</li> </ul> <p>LexEVS Remote API</p> <ul style="list-style-type: none"> <li>• lexevsapi64-6.4.0.FINAL.war</li> </ul> <p>Lexevs CTS2</p> <ul style="list-style-type: none"> <li>• lexevs-service-1.5.0.FINAL.war</li> </ul>

<p>LexEVS 6.4.0 Release Candidate 2 Release</p> <p>Features added since the previous release:</p> <ul style="list-style-type: none"> <li>• <a href="#">LEXEVS-1037</a> Loader - HL7: HL7 SupportedNamespaces data issue.</li> <li>• <a href="#">LEXEVS-2016</a> Loader - HL7: entityCode format needs to be updated</li> <li>• <a href="#">LEXEVS-1335</a> Loader - OWL2: Load of OWL2 sources will deal with only and exactly restrictions</li> <li>• <a href="#">LEXEVS-1336</a> Loader - OWL2: Load of OWL2 sources will deal with has role relationships from "some" restrictions</li> <li>• <a href="#">LEXEVS-1337</a> Loader - OWL2: Annotation uses individuals</li> </ul>	<p>The LexEVS 6.4.0 RC2 release consists of the following 3 components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.4.0.RC2.xml</li> <li>• LexEVS-install-6.4.0.RC2.jar</li> <li>• extLib-6.4.0.RC2.zip</li> <li>• lexbig-6.4.0.RC2.jar</li> </ul> <p>LexEVS Remote API</p> <ul style="list-style-type: none"> <li>• lexevsapi64-6.4.0.RC2.war</li> </ul> <p>Lexevs CTS2</p> <ul style="list-style-type: none"> <li>• lexevs-service-1.5.0.RC2.war</li> </ul>
<p>LexEVS 6.4.0 Release Candidate 1 Release</p> <p>Features added since the previous release:</p> <ul style="list-style-type: none"> <li>• <a href="#">LEXEVS-1975</a> - Loader - OWL: Add Maps_To as a complex property to the loader.</li> </ul>	<p>The LexEVS 6.4.0 RC1 release consists of the following 3 components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.4.0.RC1.xml</li> <li>• LexEVS-install-6.4.0.RC1.jar</li> <li>• extLib-6.4.0.RC1.zip</li> <li>• lexbig-6.4.0.RC1.jar</li> </ul> <p>LexEVS Remote API</p> <ul style="list-style-type: none"> <li>• lexevsapi64-6.4.0.RC1.war</li> </ul> <p>Lexevs CTS2</p> <ul style="list-style-type: none"> <li>• lexevs-service-1.5.0.RC1.war</li> </ul>

## D. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
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<p>LexEVS 6.4 wiki updates. This includes updated pages as well as new pages.</p>	<ul style="list-style-type: none"> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Notes">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Notes</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/2+-+LexEVS+6.x+Prerequisite+Software+and+Supported+Platforms">https://wiki.nci.nih.gov/display/LexEVS/2+-+LexEVS+6.x+Prerequisite+Software+and+Supported+Platforms</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+Prerequisite+Software+Supported+to+Include">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+Prerequisite+Software+Supported+to+Include</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+Optional+Software+to+Include">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+Optional+Software+to+Include</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Local+Runtime+Down+loads+to+Include">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Local+Runtime+Down+loads+to+Include</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/3+-+Installing+LexEVS+6.x+Local+Runtime">https://wiki.nci.nih.gov/display/LexEVS/3+-+Installing+LexEVS+6.x+Local+Runtime</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Release+Roadmap">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Release+Roadmap</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Details">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Details</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Highlights">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Highlights</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Installation+Options">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Installation+Options</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+and+EVS+Javadocs+Index">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+and+EVS+Javadocs+Index</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+CTS2">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+CTS2</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+CTS2">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+CTS2</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Functionality+Overview">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Functionality+Overview</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Software+Release+Identifiers">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Software+Release+Identifiers</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/8+-+Installing+LexEVS+6.x+URI+Resolver+Service">https://wiki.nci.nih.gov/display/LexEVS/8+-+Installing+LexEVS+6.x+URI+Resolver+Service</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS">https://wiki.nci.nih.gov/display/LexEVS/LexEVS</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/3+-+LexEVS+6.x+Loader+Framework">https://wiki.nci.nih.gov/display/LexEVS/3+-+LexEVS+6.x+Loader+Framework</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Software+Release+Identifiers">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Software+Release+Identifiers</a></li> </ul>
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**E. Outstanding Issues Being Actively Worked**

<b>Sprint</b>	<b>Activity/Issue</b>	<b>Description/Comments</b>
Sprint 35	<a href="#">LexEVS 6.4 - Sprint 35</a>	LexEVS 6.4 Sprint 35 Stories
Sprint 35	<a href="#">LEXEVS-726</a>	As a team, we need to update our wiki documentation to support the new and updated features
Sprint 35	<a href="#">LEXEVS-1151</a>	Loader - OWL2: Investigate OBI Load - why loading of named instances (individuals) don't appear in the browser.
Sprint 35	<a href="#">LEXEVS-1152</a>	Loader - OWL2: Investigate OBI Load - why restrictions on a class are not being seen in the GUI

Sprint 35	<a href="#">LEXEVS-1153</a>	Loader - OWL2: Investigate NDFRT Load - why restrictions on a class are not being seen in the GUI
Sprint 35	<a href="#">LEXEVS-1160</a>	Loader - OWL2: NDFRT Loader - Restrictions on a class not displayed in the browser.
Sprint 35	<a href="#">LEXEVS-1299</a>	Loader - OWL2: Unable to associate property code with property label.
Sprint 35	<a href="#">LEXEVS-1339</a>	Loader - OWL2: Entity or BFO_0000001 has qualifier value that is not resolved
Sprint 35	<a href="#">LEXEVS-1976</a>	Loader - OWL2: Investigate to determine if complex property loader directives are hard coded
Sprint 35	<a href="#">LEXEVS-2030</a>	Loader - OWL2 history annotation should be represented as an IRI
Sprint 35	<a href="#">LEXEVS-2049</a>	Initiate LexEVS 6.4 deployment to QA
Sprint 35	<a href="#">LEXEVS-2081</a>	As a team, we need to complete all 6.3 and 6.4 related stories (prior to FINAL code release)
Sprint 35	<a href="#">LEXEVS-2087</a>	Documentation: Complete wiki documentation (associated to FINAL code release)
Sprint 35	<a href="#">LEXEVS-2109</a>	JIRA Preparation - Create JIRA environment and artifacts for 6.5 Development
Sprint 35	<a href="#">LEXEVS-2139</a>	Investigate JIRA issue LEXEVS-2131 - Qualifier field not wide enough
Sprint 35	<a href="#">LEXEVS-2140</a>	Investigate Tech Stack Update - Java 8
Sprint 35	<a href="#">LEXEVS-2142</a>	Investigate Tech Stack Update - CentOS 7
Sprint 35	<a href="#">LEXEVS-2143</a>	Investigate Tech Stack Update - Spring 4
Sprint 35	<a href="#">LEXEVS-2171</a>	OBI Load generates jdbc errors
Sprint 35	<a href="#">LEXEVS-2175</a>	Create LexEVS Remote Client 6.4.0 FINAL version
Sprint 35	<a href="#">LEXEVS-2184</a>	Investigate running lexevs components over HTTPs

## F. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
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Activity/Issue	Description to corrective activity/issue
LexEVS Formal Deployment Process	Testing, validating, and moving LexEVS services up each tier (DEV, QA, STAGE, PROD) can take a long time due to all of the different teams involved. This has the potential to push the release date out.

## G. Status of Deliverables/Milestones Overview

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

- <https://wiki.nci.nih.gov/pages/viewpage.action?pageId=238354574>

We have created a JIRA agile board for the LexEVS 6.4 Lucene release at:

- <https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&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 brief summary. This site will evolve throughout the lifecycle of this project.

## H. Status of Deliverables

Deliverable/Milestone	Delivery Date	Status
Program Management	Ongoing	In Progress
Maintenance of Software System	Ongoing	In Progress
Provide Technical Expertise	Ongoing	In Progress
Project Wiki	11/10/2014	In Progress

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
Monthly Technical Reports:		
October 2014	11/10/2014	Complete
November 2014	12/10/2014	Complete
December 2014	01/10/2015	Complete
January 2015	02/10/2015	Complete
February 2015	03/10/2015	Complete
March 2015	04/10/2015	Complete
April 2015	05/10/2015	Complete
May 2015	06/10/2015	Complete
June 2015	07/10/2015	Complete
July 2015	08/10/2015	Complete
August 2015	09/10/2015	Complete
September 2015	10/10/2015	Complete
October 2015	11/10/2015	Complete
November 2015	12/10/2015	Complete
December 2015	01/10/2016	Complete
January 2016	02/10/2016	Complete
February 2016	03/10/2016	Complete
March 2016	04/10/2016	Complete
April 2016	05/10/2016	Complete
May 2016	06/10/2016	Complete
June 2016	07/10/2016	Complete
July 2016	08/10/2016	Complete

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
Monthly Financial Reports:		
October 2014	11/10/2014	Complete
November 2014	12/10/2014	Complete
December 2015	01/10/2015	Complete
January 2015	02/10/2015	Complete
February 2015	03/10/2015	Complete
March 2015	04/10/2015	Complete
April 2015	05/10/2015	Complete
May 2015	06/10/2015	Complete
June 2015	07/10/2015	Complete
July 2015	08/10/2015	Complete
August 2015	09/10/2015	Complete
September 2015	10/10/2015	Complete
October 2015	11/10/2015	Complete
November 2015	12/10/2015	Complete
December 2015	01/10/2016	Complete
January 2016	02/10/2016	Complete
February 2016	03/10/2016	Complete
March 2016	04/10/2016	Complete
April 2016	05/10/2016	Complete
May 2016	06/10/2016	Complete
June 2016	07/10/2016	Complete
July 2016	08/10/2016	Complete

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

<b>Activity</b>	<b>Description</b>
LexEVS 6.4 Lucene deployment	<ul style="list-style-type: none"> <li>• LexEVS 6.4 AppScan on QA tier.</li> <li>• Deploy LexEVS 6.4 to STAGE/PROD</li> </ul>
LexEVS 6.4.1 Update (HTTPS)	Update the LexEVS 6.4 remote API, URI Resolver and LexEVS CTS2 services to communicate over HTTPS.

<b>Activity</b>	<b>Description</b>
LexEVS 6.5 Planning	Plan for the next LexEVS release. Determine the release date and what features should be included.
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.

**J. Additional Reporting**