Monthly Technical Status Report

**LexEVS Operations and Maintenance**

**Subcontract No. 20X048F**

**Option Year 3**

**April 2023**

April 1 – April 30, 2023

**Submitted by:**

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**Date:**

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# Technical Overview

Sprint 204 (23/Mar/28 – 23/Apr/10) Vulnerable dependencies completed for LexEVS and unit testing begun. Work on other LexEVS dependencies started. Vue 3 prototype released to QA while tree functionality worked on in a separate ticket.

Sprint 205 (23/Apr/10 – 23/Apr/27) Vue 3 tree functionality completed and released to QA. Work on additional dependencies for LexEVS completed and work begun on CTS2. Mappings work in progress as final issue with NCIt Browser for Spring 5. Work started on testing Coretta Java 8 on on-prem Dev. Work started and completed on updating the CTS2 automated test app to account for changes in data.

Sprint 206 (23/Apr/27 – current) Work on lexevscts2 default doc completed and cts2 service deployed to Prod. NCIt Browser Spring 5 deployed to Dev for preliminary testing. Work begun on lexevs-service-rest-docs for dependency update.

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+20X048F+Weekly+Meeting+Minutes>

Issues Resolved Over the Covered Period:

| **Sprint** | **Activity** | **Description/Comments** |
| --- | --- | --- |
| Sprint 204 | [LEXEVS-5319](https://tracker.nci.nih.gov/browse/LEXEVS-5319) | Update vulnerable dependencies for lexevs |
| Sprint 204 | [LEXEVS-5324](https://tracker.nci.nih.gov/browse/LEXEVS-5324) | Stack Overflow error in deployment |
| Sprint 204 | [LEXEVSCTS2-432](https://tracker.nci.nih.gov/browse/LEXEVSCTS2-432) | CTS2 Unit Testing |
| Sprint 204 | [LEXEVS-5329](https://tracker.nci.nih.gov/browse/LEXEVS-5329) | Monthly reports for March 2023 |
| Sprint 204 | [LEXEVS-5330](https://tracker.nci.nih.gov/browse/LEXEVS-5330) | Mapping to Entities Not Shown as Expected |
| Sprint 205 | [CTS2FW-149](https://tracker.nci.nih.gov/browse/CTS2FW-149) | Update CTS2 test app |
| Sprint 205 | [EVSREPEXP-464](https://tracker.nci.nih.gov/browse/EVSREPEXP-464) | Vue 3 Tree Functionality |
| Sprint 205 | [EVSREPEXP-465](https://tracker.nci.nih.gov/browse/EVSREPEXP-465) | Vue 3 Functionality - Release in QA |
| Sprint 205 | [LEXEVS-5317](https://tracker.nci.nih.gov/browse/LEXEVS-5317) | Update lexevs dependencies |
| Sprint 205 | [LEXEVS-5320](https://tracker.nci.nih.gov/browse/LEXEVS-5320) | A LexEVS configured Extension is Broken |
| Sprint 205 | [LEXEVS-5327](https://tracker.nci.nih.gov/browse/LEXEVS-5327) | QA Lexevs / CTS2 |
| Sprint 205 | [LEXEVS-5332](https://tracker.nci.nih.gov/browse/LEXEVS-5332) | Update LexEVS dependency jars |
| Sprint 205 | [LEXEVS-5337](https://tracker.nci.nih.gov/browse/LEXEVS-5337) | Workshop Build and Deployment of LexEVS Artifacts to NCI Maven |
| Sprint 206 | [LEXEVS-5321](https://tracker.nci.nih.gov/browse/LEXEVS-5321) | Update lexevscts2 default doc |
| Sprint 206 | [LEXEVS-5322](https://tracker.nci.nih.gov/browse/LEXEVS-5322) | Fix issue(s) with MyBatis configuration for Mass Mappings returned with Sorting |
| Sprint 206 | [LEXEVS-5328](https://tracker.nci.nih.gov/browse/LEXEVS-5328) | Deployment Lexevs / CTS2 |

# New Releases of the Software

| **Release** | **Description of the Release** |
| --- | --- |
| LexEVS 6.6.1 | Vulnerable and other dependencies updated |
| CTS2 2.2.0 | Vulnerable and other dependencies updated |

# Presentations, Documentation Updates, Community Communication

| **Activity** | **Description of the Activity** |
| --- | --- |
|  |  |

# Outstanding Issues Being Actively Worked

| **Sprint** | **Activity/Issue** | **Description/Comments** |
| --- | --- | --- |
| Sprint 206 | [EVSREPEXP-442](https://tracker.nci.nih.gov/browse/EVSREPEXP-442) | Migrate Vuejs version from 2.0 to 3.0 |
| Sprint 206 | [LEXEVS-5307](https://tracker.nci.nih.gov/browse/LEXEVS-5307) | Update browsers for new LexEVS and Spring 5 |
| Sprint 206 | [LEXEVS-5344](https://tracker.nci.nih.gov/browse/LEXEVS-5344) | April monthly reports |
| Sprint 206 | [LEXEVSCTS2-439](https://tracker.nci.nih.gov/browse/LEXEVSCTS2-439) | lexevs-service-rest-docs dependency update |
| Sprint 206 | [LEXEVS-5317](https://tracker.nci.nih.gov/browse/LEXEVS-5317) | Update lexevs dependencies |
| Sprint 206 | [LEXEVS-5325](https://tracker.nci.nih.gov/browse/LEXEVS-5325) | LexEVS Unit Testing |
| Sprint 206 | [LEXEVS-5329](https://tracker.nci.nih.gov/browse/LEXEVS-5329) | Monthly reports for March 2023 |
| Sprint 206 | [LEXEVS-5331](https://tracker.nci.nih.gov/browse/LEXEVS-5331) | Test LexEVS under Corretta Java 8 on Dev |
| Sprint 206 | [LEXEVSCTS2-433](https://tracker.nci.nih.gov/browse/LEXEVSCTS2-433) | Test CTS2 under Corretta Java 8 on Dev |

# Critical Risks or External Dependencies

| **Activity/Issue** | **Description to corrective activity/issue** |
| --- | --- |
| Browser update | Dependent on browser interaction with LexEVS |

# Status of Deliverables/Milestones Overview

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

* <https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Project+20X048F+Documents>
* <https://wiki.nci.nih.gov/display/LexEVS/Report+Exporter+Project+Documents>
* <https://wiki.nci.nih.gov/display/LexEVS/EVS+Analytics+Dashboard+Project+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.

# 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 | 10/20/2019 | Complete |
| Monthly Technical Reports:  August 2019  September 2019  October 2019  November 2019  December 2019  January 2020  February 2020  March 2020  April 2020  May 2020  June 2020  July 2020  August 2020  September 2020  October 2020  November 2020  December 2020  January 2021  February 2021  March 2021  April 2021  May 2021  June 2021  July 2021  August 2021  September 2021  October 2021  November 2021  December 2021  January 2022  February 2022  March 2022  April 2022  May 2022  June 2022  July 2022  August 2022  September 2022  October 2022  November 2022  December 2022  January 2023  February 2023  March 2023  April 2023 | 09/10/2019  10/10/2019  11/10/2019  12/10/2019  01/10/2020  02/10/2020  03/10/2020  04/10/2020  05/10/2020  06/10/2020  07/10/2020  08/10/2020  09/10/2020  10/10/2020  11/10/2020  12/10/20 20  01/10/2021  02/10/2021  03/10/2021  04/10/2021  05/10/2021  06/10/2021  07/10/2021  08/10/2021  09/10/2021  10/10/2021  11/10/2021  12/10/2021  01/10/2022  02/10/2022  03/10/2022  04/10/2022  05/10/2022  06/10/2022  07/10/2022  08/10/2022  09/10/2022  10/10/2022  11/10/2022  12/10/2022  01/10/2023  02/10/2023  03/10/2023  04/10/2023  05/10/2023 | Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete |
| Monthly Financial Reports:  August 2019  September 2019  October 2019  November 2019  December 2019  January 2020  February 2020  March 2020  April 2020  May 2020  June 2020  July 2020  August 2020  September 2020  October 2020  November 2020  December 2020  January 2021  February 2021  March 2021  April 201  May 2021  June 2021  July 2021  August 2021  September 2021  October 2021  November 2021  December 2021  January 2022  February 2022  March 2022  April 2022  May 2022  June 2022  July 2022  August 2022  September 2022  October 2022  November 2022  December 2022  January 2023  February 2023  March 2023  April 2023 | 09/10/2019  10/10/2019  11/10/2019  12/10/2019  01/10/2020  02/10/2020  03/10/2020  04/10/2020  05/10/2020  06/10/2020  07/10/2020  08/10/2020  09/10/2020  10/10/2020  11/10/2020  12/10/20 20  01/10/2021  02/10/2021  03/10/2021  04/10/2021  05/10/2021  06/10/2021  07/10/2021  08/10/2021  09/10/2021  10/10/2021  11/10/2021  12/10/2021  01/10/2022  02/10/2022  03/10/2022  04/10/2022  05/10/2022  06/10/2022  07/10/2022  08/10/2022  09/10/2022  10/10/2022  11/10/2022  12/10/2022  01/10/2023  02/10/2023  03/10/2023  04/10/2023  05/10/2023 | Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete  Complete |
| Project Summary Report | 30 Days Before Project Completion | Not Started |

# Description of Work/Activities Planned for the next Month

| **Activity** | **Description** |
| --- | --- |
| Continued support for LexEVS | * Continue to work with the NCI team on new and existing issues. |
| Statistics Dashboard implementation | * Work on domain name queries |
| CTS2 Service | * Continue testing and prepare for deployment to Stage |
| NCI Terms Browser | * Update Terms Browser to work with new Spring 5 dependencies |
| Report Exporter | * Prepare for security release to QA * Continue working on Vue update |

# Additional Reporting

| **Activity** | **Description** |
| --- | --- |
| Sprint Status | * [Sprint 204](https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=969&projectKey=LEXEVS&view=reporting&chart=sprintRetrospective&sprint=5014) * [Sprint 205](https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=969&projectKey=LEXEVS&view=reporting&chart=sprintRetrospective&sprint=5131) * [Sprint 206](https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=969&projectKey=LEXEVS&view=reporting&chart=sprintRetrospective&sprint=5188) |