<h1 style="text-align:center">Google Analytics 4 Upgrade SOW #1</h1>

This SOW #1 ("**SOW**") between The Center for Reimagining Learning, Inc., a Massachusetts nonprofit corporation whose address is One Broadway, 14th floor, Cambridge, MA 02142 ("**NP**"), and the undersigned service provider ("**Provider**") is made effective as of the date signed by NP ("**SOW Effective Date**") and is being entered into in accordance with and under that certain Services Agreement between NP and Provider that is dated **XXX 2023**. All capitalized terms not defined in this SOW shall have the meanings given to them in the Agreement. In the event of any conflict between the Agreement and this SOW, the Agreement shall prevail, unless this SOW explicitly states otherwise.

1. **Services**. Provider shall provide the following Services to NP:

   The undertaking of upgrading support for Google Analytics across the following Open edX Github repositories ("**Target Repositories**"):
   - edx-platform
   - frontend-platform
   - frontend-app-learning
   - frontend-app-authn
   - frontend-app-account
   - frontend-app-profile
   - frontend-app-discussions

   The work should result in the following deliverables:

   - The edx-platform repository updated to configure a Google Analytics 4 identifier in addition to the existing Google Universal Analytics identifier such that it can be delivered via the MFE Configuration API
   - The frontend-platform repository updated to support the injection of the Google Analytics 4 javascript snippet into micro frontend applications that consume it, using the configured identifier from edx-platform via the MFE Configuration API
   - All Target Repositories which display web pages are updated to include the Google Analytics 4 javascript snippet in the rendered output of learner facing pages using the newly created frontend-platform code and identifier from edx-platform
   - All of the above work also merged back to the Open edX Olive named release branches wherever possible
   - Support for existing Google Universal Analytics identifiers and code snippets must remain functional so that site operators can upgrade without loss of data

   An architect at NP will make themselves available to answer questions and collaborate with Provider as deemed necessary by both parties during the execution of Services.

   In connection with the Services, Provider shall provide NP with up to **XXX** capacity hours, between and including **XXX 2023** and **June 2023**. Additional hours can be added for the defined scope at the sole discretion of the NP. The total project hours are not guaranteed. The project will be considered complete when the defined scope has been completed. Adjustments to the project's scope can be made at the sole discretion of the NP.

   The project will be oriented around the following Milestones and Deliverables:

   Milestone 1: Foundation work and one frontend repository on pre-release branches

   Deliverables:

- edx-platform upgraded
- frontend-platform upgraded
- frontend-app-learning upgraded

Milestone 2: Remaining repositories on pre-release branches

Deliverables:

- All remaining Target Repositories able to use Google Analytics 4 on their pre-release branches

Milestone 3: Backport to Olive

Deliverables:

- All Target Repository changes back ported to run Google Analytics 4 on the Open edX Olive named release

2. **Timeline**. All Services will be provided to NP on the following timeline including without limitation any deadlines as noted:

   a. Milestone 1: delivery in **XXX** to **XXX** weeks after project start, no later than mid **April 2023**;
   b. Milestone 2: **XXX** to **XXX** weeks after delivery of Milestone 1, no later than mid **May 2023**.
   c. Milestone 3: **XXX** to **XXX** weeks after delivery of Milestone 2, no later than mid **June 2023**.

3. **Term**. This SOW shall terminate upon the earlier of NP's acceptance of all Services or upon termination in accordance with the Agreement.

4. **Fees**. Invoices shall be issued, and payment shall be made as set forth in the Agreement. Provider's fees for Services performed under this SOW are as follows:

   Services will be billed at a flat rate of US$ **XXX.00** per hour of work, or a total project cost not to exceed US$ **XXX.00**.

   NP shall have no obligation to compensate Provider more than the foregoing amount unless NP otherwise agrees in writing. NP shall not reimburse Provider for any expenses.

5. **Key Personnel**. Provider shall not change the staffing of key personnel listed below without NP's prior written consent:

   Provider Key Personnel:
   - **XXX**

   NP Key Personnel:
   - Brian Mesick

   NP representative name: Brian Mesick
   NP representative email: bmesick@tcril.org

   Provider representative name: **XXX**

Provider representative email: **XXX**

IN WITNESS WHEREOF, Provider and NP have executed this SOW as of the SOW Effective Date.

The Center for Reimagining Learning, Inc.   **Provider Name: XXX**

By: _____   By: _____
Name: Name:
Title: Title:
Date: Date: