# Project Title: CEDS JSON/JSON-LD Framework ​

# Project Description:

Two Projects:

1. Scoping Project - Recommend a smaller research project ahead of the full project to build the scope and requirements for this project. This will include looking at the work that Mississippi has already done.
2. Create a CEDS JSON/JSON-LD Framework and required code and processes to move Early learning to K12 + Workforce data into and out of all CEDS resources (IDS, Data Warehouse, Data Warehouse Parquet)

# Who worked on this Charter:

Emily Cataldi (IA)  
Roger Petersen (IA)  
Kathy Warren (ME)  
Diana Olore (ME)  
Paula Sostre (SC)  
Dan Ralyea (SC)

# Who had this in their top three priorities:

IA, SC, ME, NM, NC, GA, SD, NE, IN, MS, DC, MI, NV

# Use Case(s)

Please describe 2-4 use cases. A use case is defined as a description of how a user interacts with a system or product. It outlines various scenarios, including success and failure cases, as well as important variants or exceptions. Please indicate stakeholder groups who will use and/or directly benefit from the work.

## Use case #1

|  |
| --- |
| Title: Standard to Standard using Restful API |
| Description: To be able to receive data via one standard and have an existing CEDS JSON standard that it can be mapped to and converted to.  Stakeholders: A4L, Ed-Fi and other stakeholders using open standards |

## Use case #2

|  |
| --- |
| Title: Non-existent open standards |
| Description:  To be able to move data over a restful API where no existing standard covers the use case. Example: Early Childhood and Workforce.  Stakeholders: SEAs and other state agencies |

## Use case #3

|  |
| --- |
| Title: Assessments |
| Description:Ability to roster data (send data to the Assessment Vendor); Ability to receive data back from the assessment vendor via a standard.  Stakeholders: SEAs and Assessment vendors |

## Use case #4

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| --- |
| Title: |
| Description:  Stakeholders: |

# Success Criteria and Outcomes

What will success look like? What outcomes and/or criteria will indicate success?

* There is a standard process for creating a CEDS JSON package. It is accessible and understood by the field how to create it.
* A process exists for how to expand CEDS to add additional elements for JSON
* A process exists for extensibility of the model when an element does not exist within CEDS, though best practice is to expand the standard.

# Value and Impact

Describe the value and impact of the project. What problem(s) does the project address?

* Ability to provide information related to this resource directly to vendors during procurement so they can create the required JSON packages to comply with state requirements. There is not a standard for many of the data collected and no location to point vendors to for the creation of standard data outputs. This provides a location where vendors can begin creating a standard for the movement of their data.
* Informs state level interoperability. Where no standards presently exist, this provides a standard to coalesce around.
* ABCD

# Project Approach

Describe an overall project approach. What does this project work look like? Include things like development methodologies and high level tasks and actions.

* Determine the AS-IS model is, determine the end goal and do a gap analysis between them.
* Gather requirements based on that gap analysis.

# High-Level Tasks

List major activities in order within a high-level timeline. Include an overall project duration. Consider the following phases: planning, design, development, testing, pilot implementation.

|  |  |
| --- | --- |
| **High-Level Tasks** | **Notes** |
| Define project charter for PO approval | March 2024 |
| Create high level executive summary of the project for communication |  |
| Define Project Communication Plan and Governance |  |
| As-Is model |  |
| To-be model |  |
| Gap Analysis |  |
| Determine Use Cases and Requirements |  |
| Review Mississippi’s existing work to determine remaining needs |  |
| Determine exactly what we want to build (data objects? data model?) |  |
| Development |  |
| Testing |  |
| **Overall Project Duration:** | **12 months** |

# Key Assumptions, Dependencies, and Other Related Efforts

Draft key assumptions. Describe any related projects. How are those projects related to this project? Are there dependencies? Think about CEDS projects as well as individual state / territory efforts.

* Not a lot of changes to the Mississippi architecture
* The Ontology is complete and approved by the community in Summer 2024

# Key Risks and Mitigations

What are some potential risks and how might those risks be mitigated?

|  |  |
| --- | --- |
| **Risk** | **Mitigation Strategy** |
| Conflicting work by other groups | Well established governance and communication plan |
| Lack of common language |  |
| Lack of common communication tools |  |
| Lack of common technical tools |  |

# Project Resourcing

What resources will be leveraged to support the project? Consider that resources could be people, processes, or technology.

* Project Lead
* Project Manager
* Business Analyst
* Technical/Solution Architect
* Developer
* Tester
* SME

# States and Staff Resources Supporting the Project

What staffing will be needed to do this work? Which states may be able to provide support?

| **Roles Needed for Project (list all)** | **FTE for Role** | **Duration for Role** | **States/Territories Support?** |
| --- | --- | --- | --- |
| Project Lead | .2 | 12 mo |  |
| Project Manager | .2 | 12 mo |  |
| Business Analyst | .5 | 6 mo |  |
| Technical/Solution Architect | 1 | 3 mo |  |
| Developer | .75 | 8 mo |  |
| Tester | .25 | 6 mo |  |
| SME (multiple, as needed) | .1 | 12 mo |  |

Are there other resources such as technology, tools, or processes that might be necessary to do this work?

|  |  |
| --- | --- |
| **Resource** | **Description/ Purpose** |
| ABCD |  |
| ABCD |  |
| ABCD |  |

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