



ND INTEGRATED LEARNER RECORD

PHASE II PROJECT CHARTER

PROJECT CLIENT: ND INFORMATION TECHNOLOGY DEPT (ITD)

PROJECT TEAM: ND IT, PCG, RANDA, EVERNYM

PROJECT NUMBER: P0053208

CHARTER

The Project Charter lays out the charge from sponsor(s), individuals who authorized to commit organizational resources, to the project team to initiate a project, elaborate scope and design, execute, validate, and implement operations.

Program Background

North Dakota is a small dynamic state that has been able to move faster and farther than most others in implementing statewide enterprise data management for K-12 education. The ND State Longitudinal Data Systems (SLDS) has enabled the state to build strong SSO, DW, BI, and eTranscript capabilities on top of a statewide PowerSchool deployment.

As part of a FY'15 NCES SLDS grant, the North Dakota Department of Information Technology has initiated a project to leverage distributed ledger technology (DLT) (AKA Blockchain) and emerging standards for serviced-based, linked-data, open-ecosystem architecture to begin to publish lifelong, blended-learning e-transcripts into digital wallets for learners with appropriate parent/guardian controls.

Public Consulting Group (PCG) has offered to coordinate the planning and initial discussions.

Program Goals

Be the first in the Nation to deploy and document a statewide reference model that leverages distributed ledger technology and emerging standards for serviced-based, linked-data, open-ecosystem architecture to begin to publish lifelong, blended-learning e-transcripts into digital wallets for learners with appropriate parent/guardian controls.

From SLDS, "ND will establish a 'wallet' for its participants to display and deliver their credentials and dDiploma. A pilot will be produced with students receiving and managing their credentials and dDiploma.

Program Roadmap



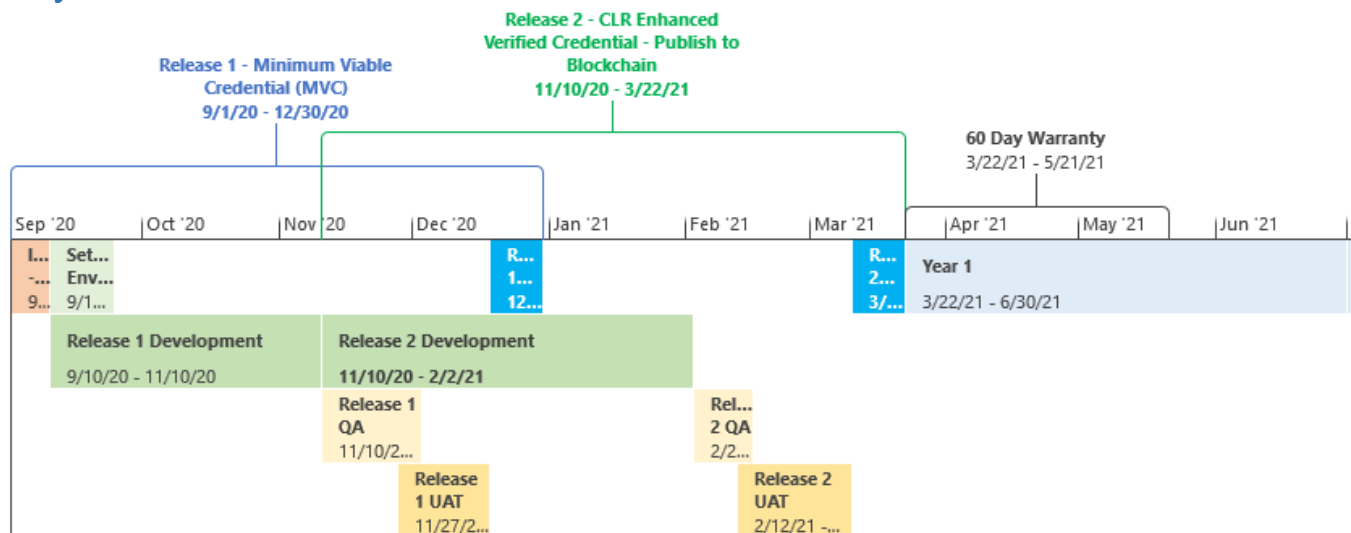
Project Scope

The scope of this work will be initially limited to K12 students. Future work will be extended to K12 educators, parents/guardians, higher ed stakeholders, and workforce stakeholders.

Objective by Priority	Key Results
1. Identity. Leverage existing IAM services to provision ecosystems and establish DIDs for issuing entities.	A. 176 SEA and LEA DID records with NCES ID payload will be registered with the IoE Authoritative Issuer Registries.
2. Ontologies. Encode relevant CASE data in a dedicated OpenSALT server mirrored to IMS CASE Network and register relevant credentials in Credential Registry.	A. An OpenSALT server will be deployed in ITD environment and mirrored to IMS CASE Network. B. All ND core four academic standards encoded and mirrored C. ND HS Course codes aligned to CASE

	standards
3. Issue Verifiable Credentials. Define components within the existing ND eTranscript service to be published. Define methodology for publishing including embedded hashing and end user publish interface. Profile ND eTranscript service CLR/CASE achievement assertions to a central ledger.	A. A Verified Credential Package (VC) will be created to contain ND Transcript and appropriate JSON payload. B. A User Interface is provided in the current ND eTranscript system allowing the user to publish the VC to a Wallet.
4. Digital Wallet. Provide a Digital Wallet app (DW App) on device and/or custodial cloud service (HTML wallet) that can subscribe to ND CLR assertions using open standards.	A. Wallet is provisioned using QR code in the ND eTranscript UI. B. Wallet app consumes and presents the (VC) payload in human readable form and allows the user to validate/verify the package issuer.
5. Opportunity Exchange. Engage US Chamber Job Data Exchange, PESCEdExchange, and AACRAO to determine readiness to consume ILR data.	A. Enable Zero Knowledge Proof

Project Milestones



Task Name	Duration	Start	Finish
ND Phase 2 - CLR enhanced Verified Credential - Publish to Blockchain	1248.93 days	Tue 9/1/20	Mon 6/30/25
Initiation - Charter approval and kickoff	6 days	Tue 9/1/20	Wed 9/9/20
Elaboration - Planning, Requirements, Design	0 days	Wed 9/9/20	Wed 9/9/20
Execution - Setup, Development, Controlling	136.73 days	Tue 9/1/20	Mon 3/22/21

Setup Environments	10.94 days	Thu 9/10/20	Thu 9/24/20
Release 1 Development	43.13 days	Thu 9/10/20	Tue 11/10/20
Release 2 Development	53.84 days	Tue 11/10/20	Tue 2/2/21
Controlling and Monitoring	136.73 days	Tue 9/1/20	Mon 3/22/21
Validation - Quality Assurance and User Acceptance	79.74 days	Tue 11/10/20	Wed 3/10/21
Release 1 QA	14.89 days	Tue 11/10/20	Thu 12/3/20
Release 1 UAT	14.97 days	Fri 11/27/20	Fri 12/18/20
Release 2 QA	9.5 days	Tue 2/2/21	Tue 2/16/21
Release 2 UAT	17.97 days	Fri 2/12/21	Wed 3/10/21
Implementation - Training and Deployment	60.87 days	Fri 12/18/20	Mon 3/22/21
Release 1 Training and Deployment	4.69 days	Fri 12/18/20	Wed 12/30/20
Release 2 Training and Deployment	7.86 days	Wed 3/10/21	Mon 3/22/21
Support, Maintenance, and Transition	1112.36 days	Mon 3/22/21	Mon 6/30/25
Transition to local team	0.94 days	Mon 3/22/21	Tue 3/23/21
60 Day Warranty	44 days	Mon 3/22/21	Fri 5/21/21
Support and Maintenance	1112.2 days	Mon 3/22/21	Mon 6/30/25
Year 1	71.2 days	Mon 3/22/21	Wed 6/30/21
Year 2	259 days	Wed 6/30/21	Thu 6/30/22
Year 3	261 days	Thu 6/30/22	Fri 6/30/23
Year 4	260 days	Fri 6/30/23	Fri 6/28/24
Year 5	261 days	Fri 6/28/24	Mon 6/30/25

Cost Summary

	Year 1 2020-2021	Year 2 2021-2022	Year 3 2022-2023	Year 4 2023-2024	Year 5 2024-2025
Release 1 Implementation - finish 12/30/2020	\$276,211	\$0	\$0	\$0	\$0
Release 2 Implementation	\$226,311	\$0	\$0	\$0	\$0

- finish 3/22/21					
Support and Maintenance	\$45,384	\$102,975	\$102,975	\$102,975	\$102,975
- annual finish June 30th					
Sovrin Licensing	\$6,615	\$615	\$615	\$615	\$615
- One time License and estimated usages costs					
Contract Total	\$554,520	\$103,590	\$103,590	\$103,590	\$103,590

Assumptions

1. Systems
 - a. A description of known systems is listed in the Appendix of this document
 - b. ND Active Directory puts all educators, learners, and parent/guardians into OU
 - c. ND wants to leverage the EdFi Change Data Capture (CDC) API in the future
 - d. ND state ID access and permission to state portal (web-based wallet) will be persistent
2. ITD
 - a. CIO is [Shawn Riley](#)
 - b. Chief Data Officer is [Dorman Bazzell](#)
 - c. SLDS Director is Tracy Korsmo
3. DPI
 - a. Kirsten Baesler is the State Sup. One of her top priorities is to transition math to competency-based learning. The Walton Foundation is supporting this work
 - b. Stanley Schauer, Director of Assessment. He leads the Walton Project
 - c. Ann Ellefson, Director of Academic Support, <aellefson@nd.gov>
 - d. Jim Upgren manages course codes
 - e. Davonne Eldredge is the Assistant Director of Academic Support, She is managing the process of encoding state academic standards as CASE data. Math and ELA are done by PCG for IMS in the CASE Network. PCG will help accelerate Science, Soc Stud, Arts, and World Language.
 - f. CTE is managed by North Dakota Department of Career and Technical Education. Wayde Sick, <wasick@nd.gov> is State Director
4. Learners
 - a. At risk students. A population of students too often at risk is young Native American learners.

Risks

A risk log will be managed as part of this project. An initial understanding of risks includes:

Risk Statement	Likelihood	Impact	Mitigation Strategy
If the old factionalism in the DID community continues in the Internet of Education, then the resulting ecosystem may become fractured.	High	Low	Continue to operate with transparency and inclusiveness.

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Project Team

Stakeholder Name	Organization	Contact email
Adam Lemmon	Convergence	adam@convergence.tech
Chami Akmeemana	Convergence	Chami@convergence.tech
Erik Zvaigzne	Convergence	Erik@convergence.tech
Drummond Reed	Evernym	drummond.reed@evernym.com
Nick Reinhart	Evernym	nick.reinhart@evernym.com
Nick Ris	Evernym	nick.ris@evernym.com
Richard Esplin	Evernym	richard.esplin@evernym.com
Andy Miller	IMS Global	amiller@imglobal.org
Greg Van Vleet	ND	gvanvleet@nd.gov
James Sheridan	ND	james@infotekka.com
Tracy Korsmo	ND	tkorsmo@nd.gov
Chad Gumeringer	ND	cgumeringer@nd.gov
Heather Raschke	ND	hjaschke@nd.gov
Tricia Opp	ND	topp@nd.gov
Dave Ward	PCG	dward@pcgus.com
Robert Rastelli	PCG	rrastelli@pcgus.com
Tatiana Vybornova	PCG	tvbornova@pcgus.com
Joshua Marks	PCG	jmarks@pcgus.com
Greg Nadeau	PCG	gnadeau@pcgus.com
Jon Haber	PCG	Jonathan@degreeoffreedom.org
Scott Buckmaster	PCG	sbuckmaster@pcgus.com

Shane Thomas	PCG	sgthomas@pcgus.com
Vasavi Karipineni	PCG	vkaripineni@pcgus.com
Damon Tindall	Randa	damon.tindall@randasolutions.com
Keith Williams	Randa	keith.williams@randasolutions.com
Marty Reed	Randa	marty.reed@randasolutions.com

Project Management

The project will be managed in accordance with PCG Education Project Management Guidebook (based on PMI's Project Management Body of Knowledge) best practices for the knowledge areas of project management:

- | | |
|-------------------------------|---------------------------------|
| 1. Project Administration | 6. Human Resources Management |
| 2. Scope Management | 7. Communications Management |
| 3. Time Management | 8. Project Risk Management |
| 4. Budget and Cost Management | 9. Procurement Management |
| 5. Quality Management | 10. SDLC Methodology Management |

Document Management. Product documents will be maintained in the [project SharePoint directory](#).

Project Communication and Meeting Plan

Meeting Type/Name	Meeting Members	Meeting Time/Location
Weekly Team Meeting	ND IT, PCG, Evernym, RANDA	Mondays
Monthly Stakeholder Meetings	ND IT, PCG, Evernym, RANDA	TBD

Contract Management Goals

Contract Status

<Describe the status of the contract.>

Sponsor Approvals

Name	Signature/Approval Date
Tracy Korsmo	
Greg Nadeau	

Revision History

Date	Author	Purpose/Summary of Change	Version
8/31/2020	Scott Buckmaster	Added Schedule and Costs Summaries	1.1

Appendix A: Systems and Screen Shots

System Type	Description
Microsoft	Statewide Office 365 in state gov, K12, and higher ed
IDM and Portal	ND has built a state education data portal and SSO in .Net for students, parents, and educators. Teacher-student-section available at the state. They have a project to implement Azure B to C and hope to accomplish OAuth for student and parent access. Teacher state license # can have errors.
SIS	PowerSchool statewide as SIS with SSO to the portal.
SpEd	TiNet
eTranscript	ND has built a statewide eTranscript platform that interacts with NSC. University system is beginning to implement Parchment for receiving transcripts from out of state.
DW	ND has built a robust SLDS using .Net, DevExpress controls and dashboards, SSRS, PowerBI, and SSAS in the K12 arena. Cognos is available and used in higher education domain for some reporting, but they are moving towards to PowerBI.
PD	The SLDS built an online curriculum call 'Develop Your Data Mindset' available to in-service and pre-service teachers. It is not be included on some teaching colleges curriculum. A 3rd-party LRS was implemented to support this effort. Learning Locker
LMS	ND has support a statewide LMS for a curriculum delivered through AgBuzz
Curriculum	Generally local, but statewide commitment to curriculum for data use (Develop your data mindset) and Cyber security ed
Higher Ed	11 ND University systems share Campus Solution instance. HE has made many changes and interoperability has matured as they start to change policy and the sharing of data.



Log In

Login ID	tkorsmo			K12	
Password	*****				
Log in Forgot Password					

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eTranscripts

[Main Menu](#)[Participating Institutions](#)[Help / Feedback](#)[eTranscripts Flier](#)

View / Edit Transcript

Search for Student

District:	---Select---	
School:	v	
School Year:	19-20	
Grade Level:	9	through 12
First Name:		
Last Name:		
ND Student ID:		
Local Student ID:		

Use the % symbol for wildcard searches.

Clear

Search

North Dakota [nd.gov Official Portal for North Dakota State Government](#)

eTranscripts

User: Tracy Korsmo (ndgov\tkorsmo) | Log Out | Account Settings

Main Menu | Participating Institutions | Help / Feedback | eTranscripts Flier

Main Menu

Alerts and Notifications (refresh)

- 139 transcript requests in Requested status. [View Requests](#)
- 700 Students Needing Recertification

Transcript Information

- Import Student Record
- View/Edit Transcript
- Certify Transcript
- Send Transcript
- Process Final Transcript Requests
- View Transcript Requests
- Maintain Student Authorization
- Receive Transcript
- Maintain School Transcript Profile
- High School Transcript Exchange

School Information

- Import Schools
- Maintain Transcript GPA
- Maintain Transcript Terms
- Maintain Grade Scale
- Maintain Dual Credit Mappings
- Dual Credit College Grades
- Non-Scheduled Course Mapping (Transfer Credits)
- Manage News
- Map Transfer Courses
- Student Survey Settings
- ND FAFSA Completion Project Statistics

Scholarship Information

- Scholarship Applications
- Scholarship Eligibility Review
- Progress Monitoring

College App

- College Application Maintenance
- Authorized Applications
- Responses
- Manage Promo Codes

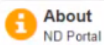
System Information

- Application Admin
- Issues and Feedback
- Manage Institutions

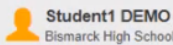
System Statistics

91666	Students with imported data	44684	Total transcripts sent to higher ed	30987	NDUS transcripts sent	8648	Border Institutions transcripts sent	5047	Clearinghouse transcripts sent	149	Districts with student data
1521	Distinct active users over the last 30 days										

The EdPortal Interface is currently being run as Student1 DEMO. [Exit to eTranscripts](#)



About
ND Portal



Student1 DEMO
Bismarck High School | Grade 12

Dashboard

View Transcripts

Send Transcripts

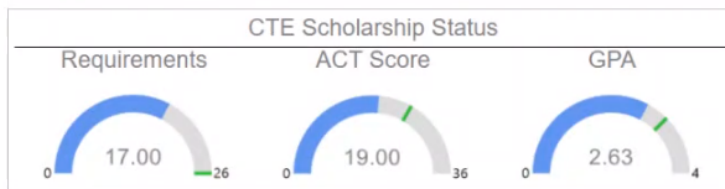
Profile / Access

ND Scholarships

ND College Application

Engagement Survey

Student Dashboard - Overview



Progress Monitoring Details

Target Scholarship Type:

North Dakota Career and Technical Education

Student Transcript - Unofficial

Student Information

Name: DEMO, Student1
123 Demo St
Bismarck ND, 58501
123-456-7890
Birth Date: 5/13/1998
ND Student ID: 2401851434
Local Student ID: 23424
ND HE Student ID: 1132969
Grade / Graduation Date: 12 - Not On Record
Civics Test Date:

School Information

Name: Bismarck High School
800 N 8th Street
Bismarck ND, 58501
701-323-4800
School ID: 0800109700912
Principal: Mr. David Wisthoff
District: Bismarck Public School District
Enrollment Date: 8/27/2015
Exit Date / Reason: 8/27/2015 - Transferred out of district

GPA - School Defined

Description	Value	Definition
Un-Weighted GPA	2.8642	Un-Weighted GPA
Weighted GPA	2.8642	Bismarck Public Schools GPA

Scholarship Progress Monitoring

Name: DEMO, Student1
State Student ID: 2401851434
Current Grade: 12
Current School Year: 2015
Selected Program Area of Study: Restaurants & Food/Beverage Services
ACT Score: 19
Minimum Workkeys Score: 0
Date Last Evaluated: 1/3/2017

Academic Scholarship Status:

Off Track

CTE Scholarship Status:

Off Track

Scholarship Requirement Status - North Dakota Career and Technical Education

Click on a rule name to see details about the rule.

Requirement	Status	Detail
Must be Resident	On Track	Only a North Dakota resident can apply for a North Dakota Career and Technical Education Scholarship
Must have 4 units English	Off Track	A student applying for a North Dakota Career and Technical Education Scholarship must have 4 units of English language arts from a sequence that includes literature, composition, and speech.
Additional Math units	On Track	A student applying for a North Dakota Career and Technical Education Scholarship must have 2 units of mathematics in addition to algebra II
Must have Algebra II	Off Track	A student applying for a North Dakota Career and Technical Education Scholarship must have 1 Unit of Algebra II
Additional Science units	On Track	A student applying for a North Dakota Career and Technical Education Scholarship must have 1 unit of chemistry and 1 unit of physics OR 1 unit of physical science and 1 unit or two 1/2 units of any other sciences.
Review	Off	A student applying for a North Dakota Career and Technical Education Scholarship must have 1 unit of history

North Dakota College Application

Apply Now

Have a Promo Code?

Enter it here:

Use Code

What college are you applying to?

Bismarck State College

Which application?

Dual Credit / Early Entry

BSC Dual Credit / Early Entry application.

What term are you applying for?

2020 Summer

My Current Applications

Institution	Application	Term	Delivery	Status	Last Modified	Submitted	Actions
University of North Dakota	Undergraduate Application	2020 Fall		In Progress	6/8/2020 10:56 AM		Resume Application Cancel / Delete
University of North Dakota	Undergraduate Application	2020 Term 1		In Progress	6/8/2020 10:56 AM		Resume Application Cancel / Delete
Bismarck State College	Dual Credit / Early Entry	2020 Summer		In Progress	6/9/2020 2:37 PM		Resume Application Cancel / Delete

North Dakota Education Portal

About
ND Portal

Student1 DEMO
Bismarck High School | Grade 12

Notifications

Dashboard View Transcripts Send Transcripts Profile / Access ND Scholarships ND College Application Engagement Survey

Submit an Application



College Application - Dual Credit / Early Entry

Sections

Applicant Information

Applicant Information

Contact Information

Educational History

Residency Information

Student's Legal Prefix

Student's Legal First Name *

Student's Legal Middle Name

Portal Home
SLDS Insight

Profile
District Roster
School Roster
Teacher Roster
Student Roster
Configuration
Reports
Dashboards
Interactive Analysis
Accountability Reporting

SLDS Insight - Profile Student Roster

Student ID	Name	Demographics		Attendance		Assessments		Grade		Details
		Disability	LEP	Daily Rate	Days Absence	Below Standard	% Below	Below C	GPA	
584D512219	ABDIKEYR, AVERY	No	No	98.28 %	2.00	4	100.00 %	0		
78D80198...	ABERLE, LUCAS	No	No	94.74 %	6.00	0	0.00 %	1		
E1773E958F	ABRAHAMSON, L...	No	No	98.28 %	2.00	0	0.00 %	0		
1BB13085	ABRAHAMSON, L...	No	No	95.18 %	5.50	0	0.00 %	0		
869A198A0A	ACKERMAN, LEVI	No	No	98.28 %	2.00	0	0.00 %	0		
5DA65287...	ACKERMAN, NAT...	No	No	96.98 %	3.50	0	0.00 %	0		
6F4A671341	ADAMS, ISABELLE	No	No	97.37 %	3.00	0	0.00 %	0		
37F42BBA97	ADAMS, KAITLIN	No	No	97.37 %	3.00	1	50.00 %	0		
A01F26AD...	ADKINS, AVERY	No	No	81.90 %	21.00	0	0.00 %	0		
E4EAF95663	ADKINS, PARKER	No	No	100.00 %	0.00	0	0.00 %	0		
FFB83D5839	ALBERTSON, GA...	No	No	98.71 %	1.50	0	0.00 %	0		
4E9C975...	ALBERTSON, HA...	Yes	No	98.25 %	2.00	3	100.00 %	0		
49ECF1602B	ALBERTSON, JER...	No	No	93.91 %	7.00	0	0.00 %	0		
9A8078420C	ALBERTSON, LIN...	No	No	97.84 %	2.50	0	0.00 %	0		
5FF0448D78	ALBRECHT, MACY	Yes	No	99.56 %	0.50	2	100.00 %	0		

Page 1 of 77 (1148 items) 1 2 3 4 5 6 7 ... 75 76 77

LONDON
ABRAHAMSON
Phone: 123-45-6789

Student ID: [REDACTED]

Assessment: 100% Attendance: 95.2% Grade: 0%

Student Snapshot

1 of 7 100% Find | New



ISABELLE ELLA ADAMS

ID# 6F4A671341



Second Grade(2019-2020)

Student Information

[Academic Dashboard](#)

[Transcript](#)



Demographics

ISABELLE ELLA ADAMS
112 4th Hwy
Great Plains ND 20215
Home Phone 123-45-6789

Date of Birth June 17, 2012
Age 7
Gender Female
Race (H) Hispanic

School Information

Great Plains Elementary School
202 1st Av
Great Plains ND 12345
School Phone 789-45-1234

Grade Level 2
School Year 2019
Homeroom Ms. Kriewald
Date of Entry August 21, 2019
Date of Withdrawal

Other Student Information

- | | |
|--|---|
| ☐ At Risk | ☐ Limited English Proficiency |
| ☐ Repeater (1 or more grades in last 3 years) | ☒ Title I Participation |
| ☐ 21st Century Program | ☐ Migrant |
| ☐ Alternative Education | ☐ Section 504 Designation |
| ☒ Late Enrollment | ☐ Disabilities |

Current Programs Participation: None

[More...](#)

Student information was last updated on January 16, 2020

Statewide Longitudinal Data System
SLDS Educational Portal

Welcome k12\tracy.korsmo [Sign out] [Account Setting]

Interactive Analysis - Data Browser

SLDS Analysis

File Home

Assessment Tiering

Quick Reports

Page 1 of 148 (1479 Items)

Tier 1

- ABOKEYR, AVERY T
- ABERLE, ISAIAH WIL
- ABERLE, LUCAS AUS
- ABERLE, RYLAN JUST
- ABERLE, RYLAN WAR
- ACKERMAN, LEVI K.
- ADKINS, AVERY MOR
- ALBERTSON, ELLIE J
- ALBERTSON, GARRET

Grand Total

Page 1 of 148 (1479 Items)

Hidden Fields

- Enrollment
 - Below C Student % of Total
 - Below C Student Count
 - Below C Student Count YoY Growth Rate
 - Below C Student Ratio
 - Dropping Student % of Total
 - Dropping Student Count
 - Dropping Student Count YoY Growth Rate
 - Dropping Student Ratio
 - Failing Student % of Total
 - Failing Student Count
 - Failing Student Count YoY Growth Rate
 - Failing Student Ratio
 - Grade Count
 - Repeating Student % of Total
 - Repeating Student Count
 - Repeating Student Count YoY Growth Rate
 - Repeating Student Ratio

Filter Area

School

School Year

Grade Level

Row Area

Tier Level

Student Name

Student ID

Column Area

Test Name

Test Period

Subject

Data Area

Average Score

Page size: 10

Grand Total

School	47.00	225.6
School Year	49.00	47.0
Grade Level	76.73	49.0
	69.00	76.7
	60.14	69.0
	80.21	60.1
	53.52	80.2
	95.33	53.5
	78.78	95.3
	56.56	78.7
		137.1

Page size: 10

Statewide Longitudinal Data System
SLDS Educational Portal

Welcome k12\tracy.korsmo [Sign out] [Account Settings]

Dashboards - Enrollment

PowerBI Demo

Full Screen View

ND's SLDS v2 / PowerBI Proof of Concept

School Year: 2019-20 District: All

School	Enrollment	New Student	Returning Student
Alexander 2	2		2
Alexander Elementary School	184	49	135
Alexander High School	94	30	64
Anamoose-Drake Elementary School	81	13	68
Apple Creek 039	1	1	0
Apple Creek School	61	61	0
Ashley Elementary School	69	69	0
Ashley High School	64	64	0
Ashley School District 9	2	2	0
Aurora Elementary	523	144	379
Badlands Elementary School	976	306	670
Bakken Elementary School	639	317	322

Enrollment Count

Enrollment Count by School Year

Enrollment Count by Race

Enrollment Count by Gender

Statewide Longitudinal Data System
SLDS Educational Portal

Welcome k12\tracy.korsimo [Sign out] [Account Settings]

SLDS Insight - Profile
Student Roster

Student ID

5840512219

78080198

E1773E958F

18813085

889A198A0A

10A65287

8F4A671341

37F42B8A97

A01F26AD

E4EAF95063

FF883D5839

4E9CC976

49ECF1602B

9A8076420C

3FF0448D78

Portal Home

SLDS Insight

Profile

District Roster

School Roster

Teacher Roster

Student Roster

Configuration

Reports

Dashboards

Interactive Analysis

Accountability Reporting

Intervention Program Explorer

New

Edit

Column Chooser

Clear Filter

Clear Grouping

Export to

Search...

Drag a column header here to group by that column

Name

Start Date

End Date

Duration (min)

Frequency

Status

Program:

Start Date:

Duration (min):

Notes:

Add New Note:

Status:

End Date:

Frequency:

Update

Cancel

Assessments

Grade

Details

	% Below	Below C	GRA	
4	100.00 %	0		
0	0.00 %	1		
0	0.00 %	0		
0	0.00 %	0		
0	0.00 %	0		
1	50.00 %	0		
0	0.00 %	0		
0	0.00 %	0		
0	0.00 %	0		
0	0.00 %	0		
3	100.00 %	0		
0	0.00 %	0		
0	0.00 %	0		
2	100.00 %	0		

Page 1 of 77 (1)

ISABEL ABRAHAMSON

Phone 123-45-6789

Student ID

E1773E958F

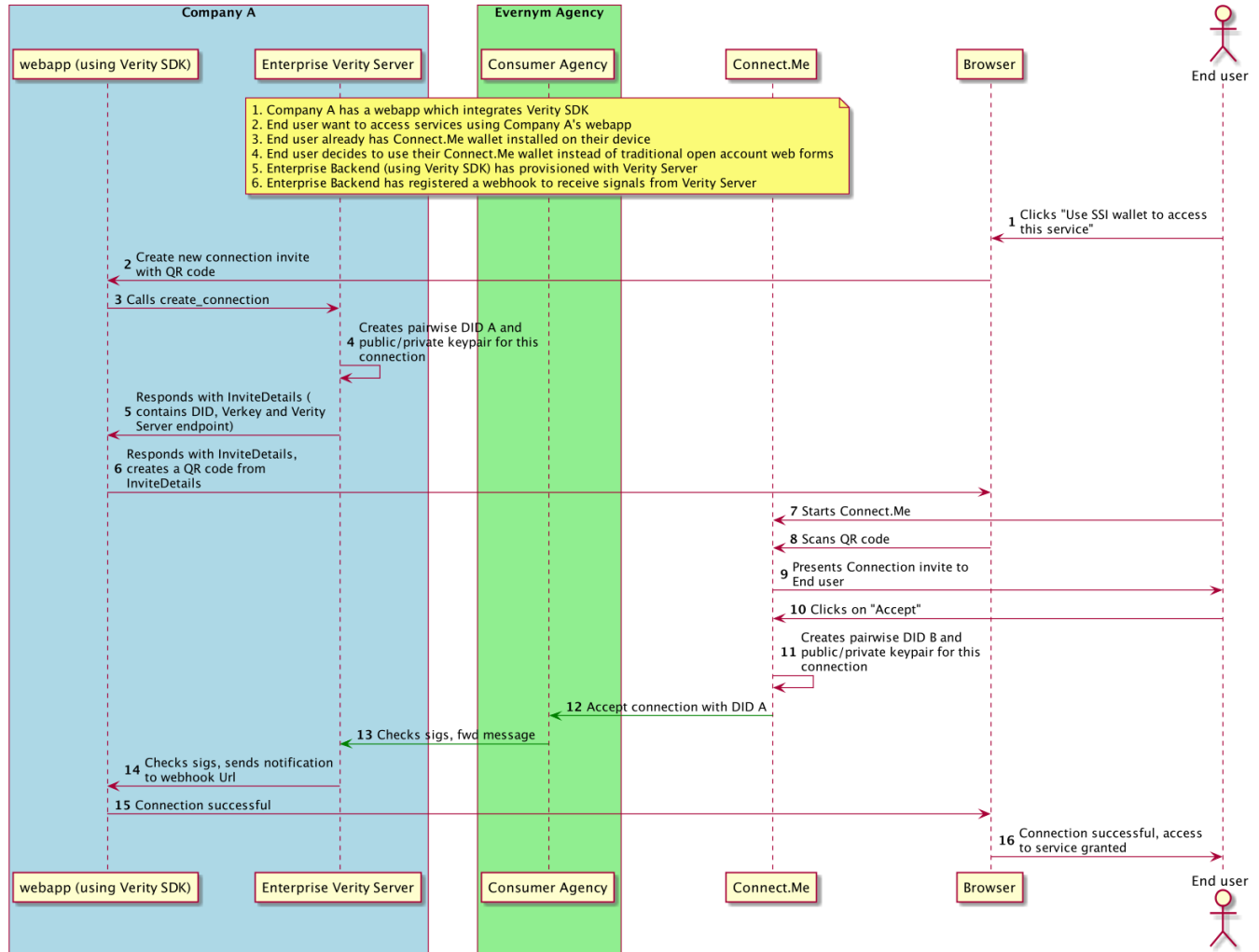
Assessment

Attendance

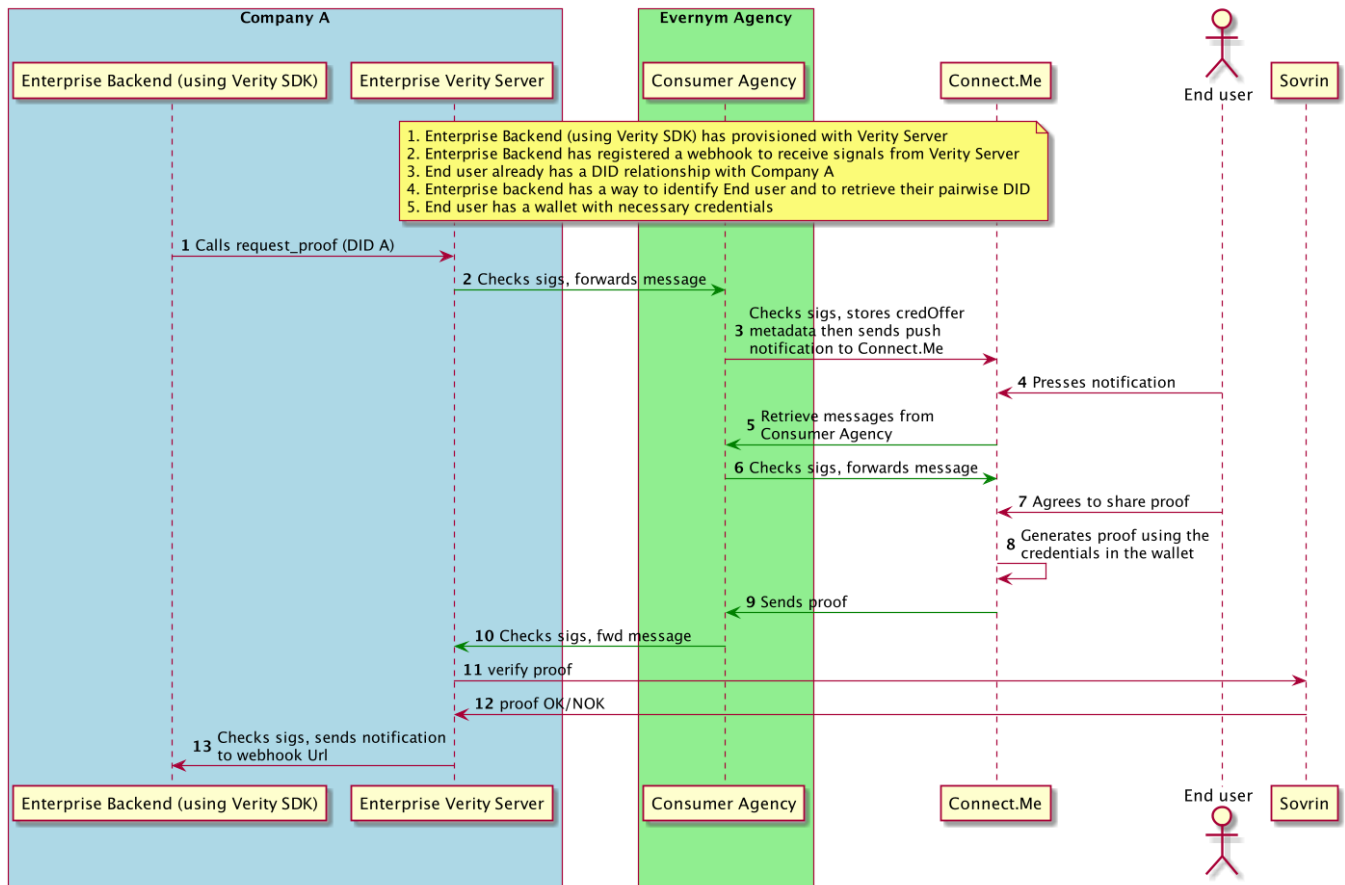
Grade

Appendix B: Design Schemas

Generic connecting protocol (DID exchange) – Verity 2.0



Generic Proof presentation protocol – Verity 2.0



Generic Credential Issuance Flow – Verity 2.0

