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CNMI PSS Monthly Status report

1 – 31 October 2023

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## **Monthly Status Report**

This document provides the Monthly Status Report for the Period 1-31 October 2023. This monthly status report is Deliverable # 25 of the PSS Contract Number 165567 - OC.

## **Onboard P20W Data Sets as needed**

To date, all CNMI data sources have been ingested into the CNMI Multi-year data warehouse. DBDriven processes provide daily updates and ingestion of CNMI PSS data into the K12 SLDS.

## **Ongoing Support Services**

DBDriven performed the following support services during October 2023.

* Continued build-out of the Test and Production cloud environments (infrastructure).
  + Continued development and configuration of the P-20W CRM solution.
* Deployed the P-20W solution to the Test Environment.
* Initiated testing of the P-20W solution.
* Continued testing the P-20W solution CRM, Researcher Portal, Data Dictionary and Data Request Tool.
* Initiated development of the CNMI PSS Help Desk Ticket intake form in Google Apps.
* Continued development and testing of the CNMI PSS Help Desk Ticket intake form.
* Finalized development and testing of the Google Forms CNMI PSS Help Desk Ticket intake form.
* Analyzed Generate 11 Staging table changes.
* Initiated Generate 11 Staging table ETL changes.
* Installed and tested Generate 11 in a Generate Test Environment with CNMI data.
* Installed and tested Generate 11 in a Generate Test Environment with AEM test data, and notified AEM of test failures.
* Received CNMI input on School Report Card, Academic Achievement and Facts & Figures.
* Continued Development of the School Report Card, Academic Achievement and Facts & Figures based on feedback.
* Continued testing of the School Report Card, Academic Achievement and Facts and Figures reports.
* Continued development on change requests for the School Report Card.
* Published the updated Facts and Figures report which now includes staff updates for SY2023-24 and corrected the Program Enrollment counts for SPED and ELL.
* Published updated Academic Achievement.
* Published changes to the Academic Achievement Report.
  + Corrected the school comparison tool tip for the STAR Renaissance report.
  + Corrected the display for Da’ok Academy on the WIDA report.
* Verified corrected school attendance data.
* Provided CNMI with Power BI credentials for viewing public reports.
* Monitored and provided help desk support for the EWS.
* Continued development of EWS indicators for attendance and mobility.
* Continued development on the EWS Absenteeism, Middle and High School indicators.
* Deployed the school mobility and absenteeism updates to the EWS.
  + Mobility - only evaluated on current and last school years.
  + Attendance - Only Unexcused Absences counted towards this indicator.
* Published the updated Absenteeism and Behavior changes to the Early Warning System.
* Continued Test Case development for the Early Learning web application.
* Continued development of the Early Learning Web Application.
* Monitored synchronization of the 2023-24 Single Year.
* Updated the JDE data dictionary.
* Submitted the September Monthly O&M invoice and approval documents.
* Participated in the Project Management and Technical calls on 3 Oct (ChST).
* Participated in the Project Management and Technical calls on 10 Oct (ChST).
* Project Update call cancelled 12 Oct (ChST).
* Participated in the Project Management and Technical calls on 17 Oct (ChST).
* Rescheduled the Early Learning web application to from the 19Oct to 24 Oct (ChST).
* Participated in the Project Management and Technical calls on 24 Oct (ChST).
* Demonstrated the Early Learning web application to CNMI on 24 Oct (ChST).
* Participated in the Project Management and Technical calls on 31 Oct (ChST).

## **System Maintenance and Performance Tuning**

Figure 2 provides the status of CNMI PSS system data. Depending on the data source, data is ingested daily, monthly, quarterly, or annually.

During this period, DBDriven provided ongoing maintenance and tuning of each data source and the collective data repositories within each environment (Development, Test, Production).

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Figure 2: CNMI Data Source Ingestion and Mapping

DBDriven continues efforts to build, tune and configure the Development, Test and Production environments for the K12 SLDS, P20W and EWS.

Figure 3 provides the state of the CNMI PSS hosting physical environment.

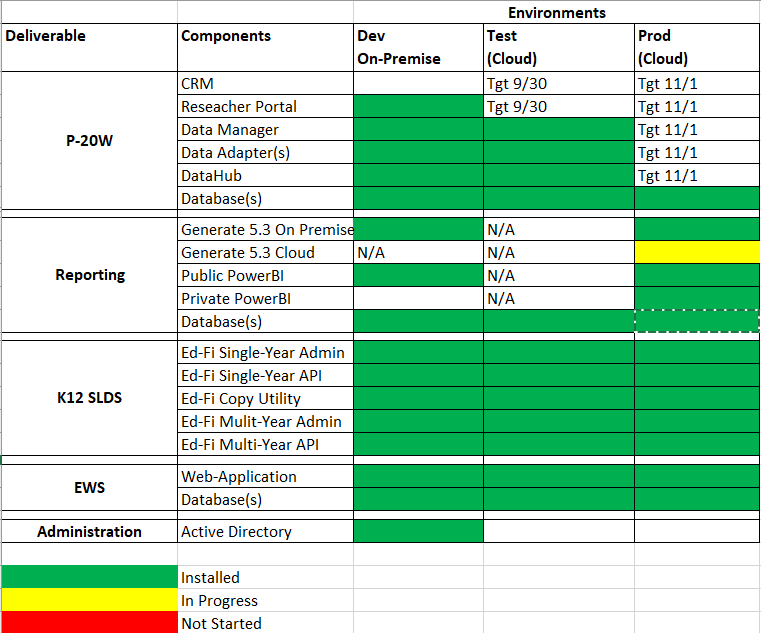


Figure 3: CNMI PSS SLDS & P20W Infrastructure Status

Figure 4 provides the state of Generate Test Results.

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Figure 4: Generate Test Results

Figure 5 provides the state of the CNMI PSS data environments and components.

Timeline

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Figure 5: CNMI PSS SLDS & P20W Data Pipeline Status

## **Project Management Events**

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Project Management Cont’d

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## **Infrastructure Events**

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## **Development Events**

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## **Azure Dev Ops Events**

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AZURE DEV OPS Cont’d

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AZURE DEV OPS Cont’d

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