

Data Modernization Initiative Update

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Goals of the Data Modernization Initiative

The goal of DMI is to equip internal and external stakeholders with **actionable insight** and **data for decision-making purposes**. We aim to accomplish this through three main priorities:



Redesigned Infrastructure

Design and implement a modern, flexible, scalable, secure data architecture to:

- Streamline data submission and management
- Support efficient provisioning of data products

Deliver user-centered value through improved data submission methods, dynamic access, robust governance and security



Expand Data Offerings

Deliver user-centered value through high-priority data products

More readily available reporting and analysis derived from integrated tri-agency data sets

Increased support for strategic use cases of interest to institutional leaders and other agency partners



Embed Continuous Improvement

Update data usage and sharing agreements to allow desired reporting while maintaining governance and control

Evolve current business processes and website to support new offerings

Establish disciplined product management to keep products relevant, including robust web analytics

Build routines for stakeholder engagement, feedback, and involvement

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Implementation Roadmap Through Jan 2023

	Accomplished to Date	Work in Progress	Planned Work through Jan 2023
Tech & Data Architecture	<ul style="list-style-type: none"> Established technical and production environments for testing and development Launched work to support development of: <ul style="list-style-type: none"> Form and document submission portal Privileged data portal and secure data enclave Data management program including data modeling and governance Change management and stakeholder engagement Completed internal user testing for initial enrollment and certificates/degrees awarded dashboards Onboarded vendor and launch design/development work for primary data website 	<ul style="list-style-type: none"> Continue developing data products into new, improved user experience dashboards Launch quality assurance and user testing environments Complete development work on secure data enclave portal and initial privileged report products Complete user testing, followed by pilot launch of the Financial Aid Data System (FADS) data submission portal for use by pilot institutions submitting reports using the modernized data pipeline Continue data migration and pipeline work per roadmap Launch data operations team and develop workplan 	<ul style="list-style-type: none"> Initiate stakeholder outreach and feedback based on change management and stakeholder engagement plans Launch initial secure enclave and privileged data reports Iterate on product versions based on user feedback and input; continue development of new products according to a refined road map and prioritization Continue training internal team on new cloud components Migrate additional CBM reports to drive development for the data submission portal and additional enhanced data reports
Governance	<ul style="list-style-type: none"> Consolidated stakeholder input Completed assessment and recommendations report Approved data governance charter and handbook by the data governance council Launched enhanced agency-wide data governance structure Completed review of Tri-Agency governance Executed Tri-Agency data sharing agreement and initial research inventory 	<ul style="list-style-type: none"> Implement Tri-Agency data sharing agreement Prioritize and develop implementation approach for Tri-Agency data governance improvements to support new offerings, together with TWC and TEA partners Identify and procure a web-based solution for a comprehensive, accessible data dictionary Finalize additional internal policies for data access and use 	<ul style="list-style-type: none"> Finalize Tri-Agency Data Work Group 2023 project charter to guide development of Tri-Agency governance structures, policies, and processes based on data sharing agreement Solicit feedback from external stakeholder group(s) on priority THECB and Tri-Agency data governance areas
Communications	<ul style="list-style-type: none"> Secured cloud-based hosting environment Completed expert review of main website by new partners to assess main website build Completed migration of websites from test environment to development environment Added web development resource to expedite technical improvements to websites 	<ul style="list-style-type: none"> Launch main agency website, including fully onboarding new agency web developer Prepare for launch of refreshed data site, following launch of agency website Initiate and implement internal change management training, begin external change management activities 	<ul style="list-style-type: none"> Launch refreshed agency data website utilizing new UI/UX design, including initial dashboards Refine consolidated architecture and migration plan for all agency websites Conduct workshop with internal stakeholders to build 2023-24 roadmap

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Questions?

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