

DoD Business Process Reengineering
MilCon Dashboard Capability Requirements
Document



Office of the Assistant Secretary of Defense
(Energy, Installations, & Environment)
Business Systems & Information Directorate

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Executive Summary

Although DoD collects a large amount of construction-related data, it lacks the standardized processes and integrated systems needed to systematically track, analyze, and report military construction projects and related costs. Further, information regarding improvements in military construction efficiency is currently managed only to the extent that it is required for external reporting. The absence of comprehensive military construction and investment data hinders the Department's ability to improve construction operations and to make informed investments in new technology.

Increased demand for improvement in Department of Defense (DoD) oversight of the scope and progress of Military Construction (MilCon) projects has resulted in law¹ mandating that the Secretary of Defense maintain an internet site that includes a page specifically for maintaining MilCon information, and that this site will permit a person to access and view this information. The law also mandates that details requested by 10 USC 2851 are to be provided in a report produced on a monthly basis, and that this information be provided for all MilCon projects and Military Family Housing projects that have been approved by Congress. The Facilities Investment and Management (FIM) Directorate, in partnership with Business Systems and Information Directorate (BSI), was tasked with developing a standard information structure for use in measuring, managing and reporting MilCon programs and performance. This data structure, known as the MilCon Dashboard, will ensure that timely, accurate MilCon data is available to managers at every level of the DoD.

To improve the Department's Military Construction management reporting capability, a solution is needed that will provide users easier access to the vast pool of data stored in multiple, disparate and often inaccessible systems. Leveraging the real property related data already amassed by BSI in the Data Analytics, the MilCon Dashboard project will expand the data content in the repository to include detailed information about military construction. Doing so will provide a means to support business intelligence and data analytics that would give users the ability to harness the various analytical dimensions and details of the data that currently exists about construction projects and real property assets across the Department. Collecting near real-time data which is then synthesized, categorized, stored and analyzed will provide enhanced capability to study trends and patterns, generate metrics, and predict future behavior. The FIM Directorate will have the ability to access, view and analyze this data, but will also be able to utilize the project and financial data to perform data analytics such as generate predictive analysis, WIP curves, and other graphs, charts, and reports including photographs and geospatial/mapping data of construction project sites.

Executed at the level of the Office of the Secretary of Defense (OSD), the MilCon Dashboard will assimilate and house standard MilCon project data as well as provide a suite of advanced analytical tools that allow DoD

Vision

Establish a DoD MILCON Program Management Dashboard that provides a comprehensive view of key MilCon project management data and ensures significant aspects of MilCon planning, design & construction (PD&C) data for MilCon projects are visible to the OSD leadership and to Congress.

¹ As specified in 10 USC 2851(c).

MilCon professionals to not only interpret and leverage that data to improve MilCon operations, identify cost-effective investments, and monitor and validate DoD's facility program, but to also refine policy and compile internal and external management reports.

Significant advantages of the MilCon Dashboard capability include:

- **Automated Data Collection**

Manual data collection and input is extremely time-consuming and highly susceptible to human error. Thus, a great deal of critically valuable information is not currently available for analysis or reporting. The MilCon Dashboard will enable automated data collection across the enterprise and consolidation within the MilCon Dashboard, thereby establishing a central repository for critical military construction data while dramatically reducing collection times and increasing data accuracy.

- **Structured Data Requirements**

Each Component currently uses a different IT solution to collect military construction data, and there is no viable method to correlate standard information. One of the most essential functions of the MilCon Dashboard capability is to structure standard data culled from disparate sources. Structuring data ensures that information may be entered once and subsequently used many times in multiple locations, without diminished quality or additional workload. Additionally, the MilCon Dashboard will be able to produce highly detailed, accurate results in response to queries.

- **Information Risk Management**

To make sound efficiency analyses and investment decisions based on MilCon-generated information, and to defend against potential misuse of facility information, it is essential that data within the MilCon Dashboard be secure. To that end, the Department's MilCon Dashboard system fully integrates comprehensive Information Assurance and Operations Security measures into its design, mitigating exploitation and inadvertent data spillage. To prevent attacks that could start from any point between the Internet and meter/control devices, standardized layers of defense and regular vulnerability assessments are implemented across the enterprise to protect against multiple threat vectors.

- **The End Result: Advanced Analytic Capability**

The MilCon Dashboard will house comprehensive, verified, standard project data, and end users will be able to generate highly customized and dynamic queries based on near real-time information. This advanced analytic capability allows MilCon professionals to understand facility construction use, to pinpoint anomalies, to track and analyze trends, to benchmark building or installation project performance, and to identify effective savings opportunities.²

Scope

The information outlined in this document represents the functional requirements for the MilCon Dashboard. Business analytical specifications and integration with other standards will be defined later in the implementation phase.

The MilCon Dashboard, will play an increasingly vital role in enhancing the safety, cost-effectiveness, and sustainability of U.S. military installations worldwide by:

- Implementing consistent policies and procedures to proactively manage all aspects of the facility lifecycle process;
- Having data and tools available to monitor, validate, and refine DoD's facility programs and policies;
- Utilizing a complete suite of tools to support Component planning, budgeting, and execution across the facility life cycle; and
- Providing proactive status reports and recommendations to leadership, as well as timely responses to emergent issues.

Current Capability

The Department spends approximately \$5-6B in MilCon annually, and because construction can span a period of several years, DoD usually has more than \$30B in work underway in this same timeframe. There are currently no tools available at the OSD level to track and report progress in meeting construction milestones. Furthermore, 10 USC 2851 mandates that DoD provide a monthly status on all active construction projects and make that information available on a public website. The process to address this requirement is currently done manually, receiving monthly reports using Excel spreadsheets from each Component sponsoring a project and compiling them into a single report containing all projects submitted each month. The data collected from the Sponsoring Entities to meet the requirement is called the Monthly Congressional Report submission, and comes to FIM on a monthly basis via email attachments or as uploaded files on the FIM website. The reports are then reviewed for errors or omissions and sent back to the submitters for verification and/or correction before embarking on a more detailed manual process of combining the entire set of project data collected from each of the Sponsoring Entities into a single consolidated standardized Excel report.

Capability Gap

FIM has limited access to automated data on project progress, contracts and financial data, the collection and storage of which would facilitate the ability to conduct business intelligence and data analytic activities such as data trending or information-based decision-making, in a simple and timely fashion. As previously stated, there are no tools at the OSD level that FIM could leverage to address this gap.

The desired data processing capabilities are either not advisable or not currently possible given the current structure of the data collected and stored within FIM today. In an attempt to address the need to quickly and easily access construction project data for analysis and reporting, FIM has relied on a series of small home-grown tools that are neither efficient nor scalable to address the gap. The requirements outlined in 10 USC 2851 require an extensive manual effort to cleanse, compile, prepare and report the data in a manner that can be easily understood and made available on the FIM website. Some of the basic functions entailed in obtaining information to plan, forecast, and respond to congressional or DoD inquiries become a full-scale “data call” with all the activities needed to support it every time the need arises.

While a minimal ability to produce static reports exists, there is no capability that lends itself to exploring the data at various dimensions, or for producing useful graphs and charts for depicting such things as work-in-progress (WIP). Additionally, FIM is unable to link or embed the associated DD1391 for construction projects in the reports or views, or to easily locate and access related data, such as for budget appropriations and contract awards for construction projects. Other data obtained by FIM, such as from the Comptroller’s C1 database report or expenditures data from the system that compiles the 1002 report, is not easily assimilated with the core construction project data in order to provide a holistic integrated view of the projects, expenditures, and progress.

Plan of Action & Milestones (POA&M)

The end goal of the MilCon Dashboard is to be able to connect to and access views of data directly from the various source systems in order to perform what the industry terms data virtualization or data federation. Data federation allows results from across multiple source systems to be combined into a single virtual database environment. This concept entails connecting to a database that allows read-only access to multiple database applications and tables to create virtual schema(s) of the desired data sets. This in turn would allow data to be collected and

Capability Gap

FIM has limited access to project progress, contracts and financial data, through an automated means. There is currently no capability for automated collection and storage of this data that would facilitate the ability to conduct business intelligence and data analytic activities in a simple and timely fashion.

Data Federation

Federated approaches to data integration, also called data virtualization, take an integration approach that combines data from multiple, disparate sources – anywhere across the extended enterprise – in a unified, logically virtualized manner for consumption by an array of transactional and business intelligence applications.

- Robert Eve, Information Management, May

comingled together in a single virtual environment, where it can then be manipulated to produce myriad analytic results/reports.

The MilCon Dashboard project is meant to address the gaps identified in this document, and FIM and BSI together have chartered a Working Group in order to identify and address other gaps that could be eliminated by implementing a dashboard capability that houses and integrates real property information comprised of construction, sustainment, and accountability data for the inventory of DoD Real Property Assets.

The lack of access to data that is standardized and integrated into a single repository, as well as the lack of a single source of issuance of unique identifiers for construction projects, is also a hindrance to effective data management. Additionally, there is no single standardized form generator for required construction related forms, such as DD Form 1391 and 1354, for which data could be identified, tracked, and associated with the corresponding construction project and real property asset. Addressing these system gaps would prevent duplication of data, and that would ensure that authorizations, appropriations, obligations, and expenditures are tied to the correct construction project.

To address the gaps identified in this document, a capability for data integration and analytics will be implemented, leveraging existing data and functionality offered by the Data Analytics and Integration Service [DAIS] platform currently in production for the Real Property Community. The MilCon Dashboard capability will enable drilldown capabilities to help FIM users discover and analyze trends and other details using the MilCon project data that is received monthly. This data will be stored in a relational backend database to be made available along with other data received and stored via DAIS, such as Real Property Asset data and Real Property Site data. Receiving data feeds from various other business data sources such as the Defense Procurement Acquisition Program and Comptroller is planned for future phases of the MilCon Dashboard Project in order to expand the repository.

Target Capabilities

The DoD MilCon Dashboard target environment will provide a comprehensive view of key MilCon project management data ensuring that significant aspects of MilCon planning, design & construction (PD&C) data are visible to the OSD leadership, as well as those responsible for presenting and defending MilCon projects to Congress. The dashboard shall provide near real-time data from authoritative source systems to OSD leadership for analysis while ensuring the transparency and accuracy of the data being reported. The dashboard will also store and link the associated DD 1391 and DD 1354 form data with the applicable construction projects and resultant real property assets.

The dashboard will serve as a repository for the construction project and contract data currently collected via the 2851 Monthly Congressional Reports and will help establish standard data reporting formats and provide online forms and “web services” to facilitate importing the data into a data repository. As part of the Requirements Analysis phase, the BSI team will employ business process reengineering as a means to streamline and simplify the current 10 USC 2851 reporting activities, improving the overall process prior to automating it. The target capability can be expanded to more easily execute other MilCon related data calls,

as well as to identify other source systems from which data can be replicated and added to the dashboard repository for reporting purposes.

Implementation of the requirements outlined in this document will not only leverage and further enhance the existing capabilities already provided by the DAIS platform, but will:

- Automate the current manual process for monthly reporting and build in basic error checking;
- Open discussions on long term Dashboard capability that will enhance utilization of collected MilCon project data; and
- Plan for necessary adjustments to Components' IT systems as needed, (i.e. append MilCon Project Unique Identifier (MPUID)).

Future Phases

- Contracts and financial data elements
- MilCon Project Unique ID [MPUID] use across the enterprise (via MilCon Dashboard)

Additional Desired Capabilities

- WIP curves
- Trend analysis
- Automate and link 1391 and 1354 data
- Notifications
- Drill-down capability
- Stakeholder recommended customizations

Introduction to Appendices

Appendix A: *MilCon 2851 Monthly Report Submission Process Model* - This process model diagram depicts how the dashboard will implement an automated 2851 monthly report submission process.

Appendix B: *MilCon 2851 Monthly Report Submission Logical Data Model* - The logical data model describes the MilCon 2851 data in as much detail as possible, without regard to how they will be physically implemented in the database. Features of the logical data model include all entities and relationships among them. All attributes for each entity are specified.

Appendix C: *MilCon Dashboard High-Level User Experiences* - User experiences are part of an agile approach that helps shift the focus from writing about requirements to talking about them. All user experiences contribute to a series of conversations about the desired functionality.

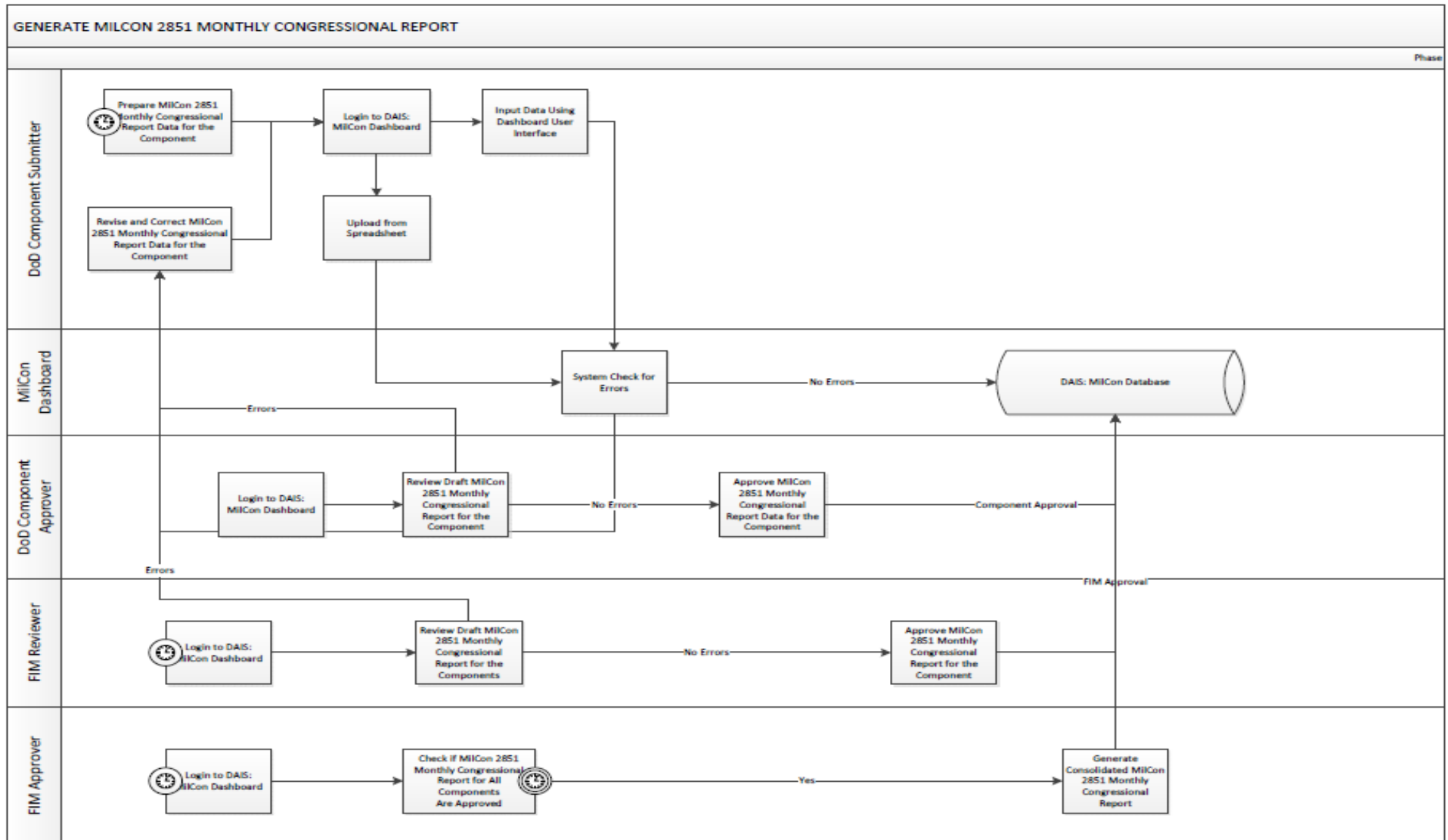
Appendix D: *MilCon Dashboard Phase 1 Architecture* - Depicts the Phase 1 Architecture for the MilCon Dashboard initiative.

Appendix E: *MilCon Dashboard Metadata* - Simply put, metadata is data about data. It is descriptive information about the MilCon 2851 data set, object, or resource, including how it is formatted.

Appendix F: *MilCon Dashboard Business Rules* - The statement that defines or constrains some aspect of the business. It is intended to assert business structure or to control or influence the behavior of the business.

APPENDICES

Appendix A: MilCon 2851 Monthly Report Submission Process Model

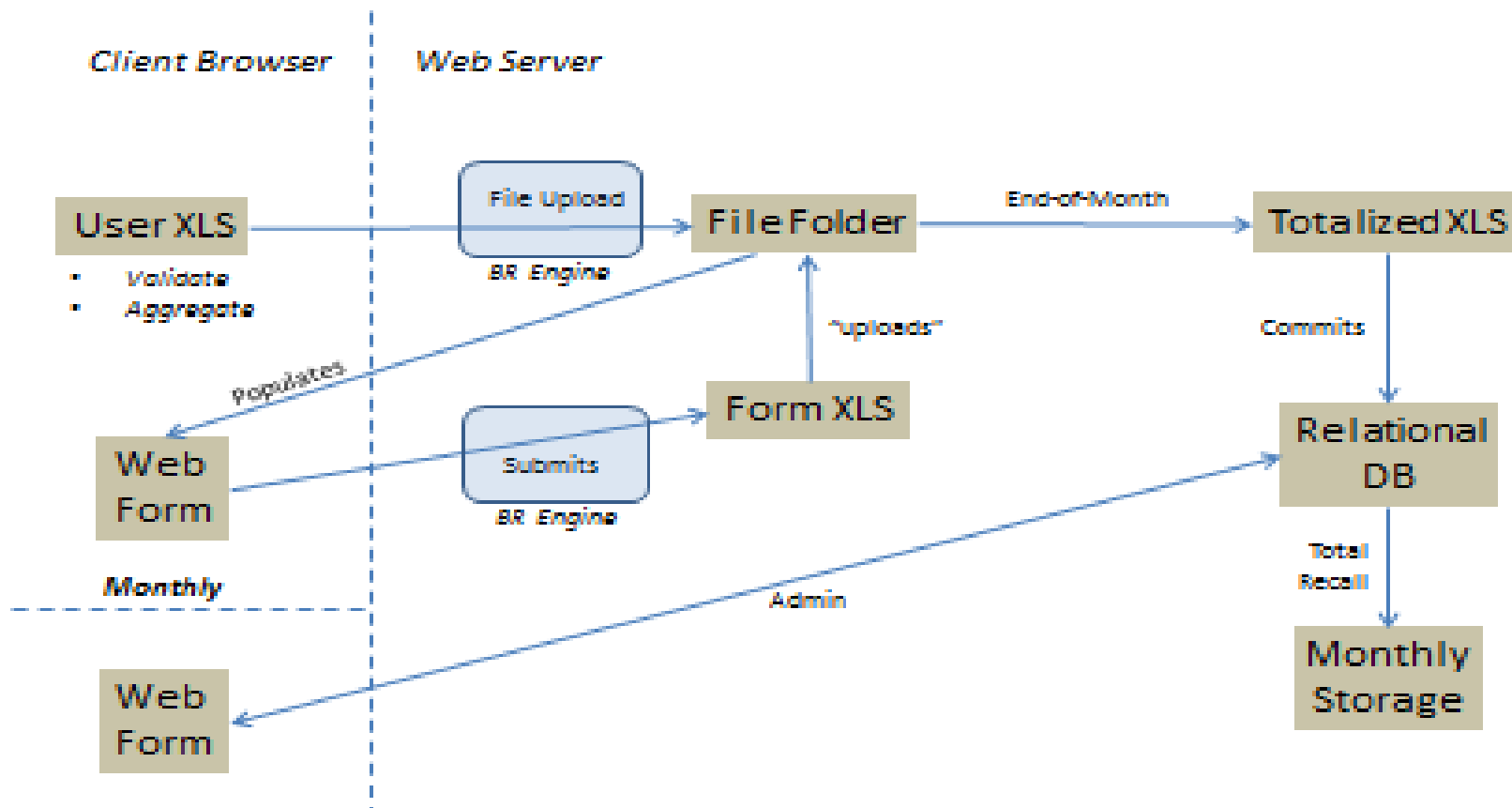


Appendix C: MilCon Dashboard High-Level User Experiences

- As a user I want to access a single repository of MilCon data so that I can query, sort, and generate views, graphs, and reports on MilCon-related project data.
- As an OSD/FIM user I want to receive 2851 monthly report data through the dashboard so that I can store it and use it to perform ad-hoc analysis and reporting.
- As an OSD/FIM user I want to have the capability to create system-generated unique identifiers for each project received and stored in the MilCon dashboard database so that I can enforce uniqueness across all projects stored in the database.
- As an OSD/FIM user I want to be able to retain monthly 2851 report data online in the dashboard for up to 5 years so that I can analyze data trends.
- As an OSD/FIM user I want to store each month's 2851 report data submitted by each Component so that I can produce graphs that depict monthly progress of MilCon projects.
- As an OSD user I want to access/view all months of 2851 data so that I can create queries and standard reports on Department-wide MilCon projects.
- As an OSD/FIM user I want the capability to invoke a Service that would generate predefined congressionally mandated reports and post them to the FIM website.
- As an OSD/FIM user I want to receive data from ad-hoc data calls through the dashboard so I can store and use the data for analysis and reporting.
- As the product owner I want an analysis of alternatives conducted so that I can select the most cost-effective, comprehensive dashboard front-end capability.
- As a user I want to log into the dashboard site using my CAC and a password.
- As a Component user I want to request a user account so I can access and use the MilCon dashboard.
- As a MilCon dashboard "Component user" I want to access and use an online web form so that I can complete and submit my monthly congressional report to the dashboard.
- As a MilCon dashboard "Component user" I want the ability to submit my monthly congressional report to the dashboard using a web service.
- As a MilCon dashboard "Component user" I want the ability to upload my data in the existing structured file format (Excel) so that I can submit my monthly congressional report to the dashboard.
- As a Component user I want the ability to choose from a pick list or dropdown for data fields such as Component, Organization, State, Country, and Installation so I can quickly complete the form in accordance with data standards and business rules.
- As a Component user I want the online form to prepopulate with data I have previously submitted in the last monthly report I saved in the dashboard database so that I can enter only the data that is new or changed for the current month's submission.
- As a Component user I want the option to 'save' the form data so that I can return to the dashboard to continue data entry on an incomplete submission.
- As a Component user I want to access calendar as a date-picker so that I can select and enter dates when I am completing my monthly report submission.
- As a Component user I want the ability to enter dollar amounts using a predefined format so that I can quickly complete the monthly report submission process.

- As a Component user I want to access a predefined online web-form for the monthly congressional report so I can submit the required monthly data.
- As a Component user I want to export my monthly submission to the monthly congressional report Excel template so that I can post to the specified FIM or external website.
- As a MilCon dashboard "OSD user" I want to access, view and analyze all 2851 report data submitted monthly so I can perform detailed analysis and project tracking.
- As a MilCon dashboard "OSD user" I want to access, view and analyze all MilCon 1391 form data so I can perform detailed analysis.
- As a user I want to an active URL for the associated 1391 that exists for a project stored with the 2851 MilCon project data so that I can view the 1391 upon request.
- As a MilCon dashboard Component user I want the ability to continue to use my 1391 project number that's linked to the MPUID in the dashboard so that I don't have to modify my backend systems to accommodate MPUID in Phase 1.
- As a MilCon dashboard OSD user I want the ability to generate a dashboard view of charts, graphs, totals and summaries for specified data fields for specified points in time so that I can assess MilCon project progress.
- As a MilCon dashboard OSD user I want the ability to post predefined summary MilCon data on a public-facing website for viewing by the general public so that I can meet the congressional mandate.
- As a "Component user" I want to enter my 1391 data so I can obtain a system-generated Department-wide MilCon Project Unique Identifier [MPUID].
- As an "OSD/FIM user" I want the dashboard to assign a MilCon Project Unique ID (MPUID) for a 1391 MilCon project that does not already have an MPUID assigned in the dashboard, so that the dashboard can enforce and ensure that all MilCon projects in the dashboard are uniquely identified.
- As an "OSD/FIM user" I want to parse and store the data captured on each 1391 completed and submitted for a MilCon project so that the dashboard can provide data analytic and business intelligence capabilities.

MilCon Architecture - Phase 1



Appendix E: MilCon Dashboard Metadata

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
SYSTEM		Report Submission Date	The calendar date on which a complete 10 USC 2851 report is submitted/recorded into DAIS.	DATE	NULL	NA	MILCON-2851-REPORT-SUBMISSION: MILCON_2851_Report_Submission_Date
PROJECT		MilCon Project Unique Identifier	The designator that distinguishes one construction project from another.	VARCHAR2(6)	NOT NULL	NA	MILCON-PROJECT-IDENTIFICATION: MILCON_Project_Unique_Identifier (PK)[Concatenated PK: MILCON_Project_Number + MILCON_Project_Fiscal_Year + REAL_PROPERTY_ORGANIZATION_CODE]
PROJECT		Report Month Year	The calendar month and year on which the data in the 10 USC 2851 report was approved for submission by the sponsoring entity.	DATE	NOT NULL	NA	MILCON-PROJECT-INFORMATION: MILCON_Project_Data_Month_Year (PK)
PROJECT	Project Data As Of Date	Project Data As Of Date	The calendar date on which the project data was last updated.	DATE	NULL	NA	MILCON-PROJECT-INFORMATION: MILCON_Project_Data_As_Of_Date
PROJECT	Project Fiscal Year	Project Fiscal Year	The 4-digit fiscal year when a project was originally authorized.	INTEGER(4)	NOT NULL	NA	MILCON-PROJECT-IDENTIFICATION: MILCON_Project_Fiscal_Year
PROJECT	Project Sponsor Component Name	Project Sponsor Component Code	The code for the Military Department, DoD Agency, or Combatant Command, or other organizational entity that originates, sponsors, funds the construction project, and has statutory reporting responsibility for the 10 USC 2851 report.	VARCHAR2(6)	NOT NULL	Organization	MILCON-PROJECT-IDENTIFICATION: REAL-PROPERTY-ORGANIZATION CODE (FK) -> REAL-PROPERTY-ORGANIZATION: REAL PROPERTY ORGANIZATION CODE (PK)

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
		Project Sponsor Component Name	The common identification or name for the Military Department, DoD Agency, or Combatant Command, or other organizational entity that originates, sponsors, funds the construction project, and has statutory reporting responsibility for the 10 USC 2851 report.	VARCHAR2(200)	NULL	Organization	MILCON-PROJECT-IDENTIFICATION: REAL-PROPERTY-ORGANIZATION CODE (FK) -> REAL-PROPERTY-ORGANIZATION: REAL PROPERTY ORGANIZATION NAME
PROJECT	Construction Project Type	Construction Project Type Code	The code that identifies the type of a construction project.	VARCHAR2(4)	NOT NULL	Construction Project Type	MILCON-PROJECT-INFORMATION: MILCON_Construction_Project_Type_Code (FK) -> MILCON-CONSTRUCTION-PROJECT-TYPE: MILCON_Construction_Project_Type_Code (PK)
		Construction Project Type Name	The common identification or name corresponding to the type of a construction project.	VARCHAR2(60)	NULL	Construction Project Type	MILCON-PROJECT-INFORMATION: MILCON_Construction_Project_Type_Code (FK) -> MILCON-CONSTRUCTION-PROJECT-TYPE: MILCON_Construction_Project_Type_Name
PROJECT	State	State Code	The 2-digit USPS abbreviations for the US States, Possessions and Territories where the project is executed. Examples: "VA" for Virginia, "PR" for Puerto Rico.	VARCHAR2(2)	NOT NULL	USPS (State)	MILCON-PROJECT-INFORMATION: COUNTRY DIVISION CODE (FK) -> COUNTRY-DIVISION: COUNTRY DIVISION CODE (PK)
		State Name	The common identification or name for the US States, Possessions and Territories where the project is executed. Examples: Virginia, Puerto Rico.	VARCHAR2(80)	NULL	USPS (State)	MILCON-PROJECT-INFORMATION: COUNTRY DIVISION CODE (FK) -> COUNTRY-DIVISION: COUNTRY DIVISION PRIMARY NAME
PROJECT	Country	Project Country Code	The 3-digit Geopolitical Entities, Names, and Codes (GENC) Standard code for the country where the project is executed. Examples: "ALA" for Albania, "DEU" for Germany.	VARCHAR2(3)	NOT NULL	GENC (Country)	MILCON-PROJECT-INFORMATION: COUNTRY DEPARTMENT OF DEFENSE TRIGRAPH CODE (FK) -> COUNTRY-DEPARTMENT-OF-DEFENSE: COUNTRY DEPARTMENT OF DEFENSE TRIGRAPH CODE (PK)

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
		Project Country Name	The Geopolitical Entities, Names, and Codes (GENC) Standard name for the country where the project is executed. Examples: Albania, Germany.	VARCHAR2(80)	NULL	GENC (Country)	MILCON-PROJECT-INFORMATION: COUNTRY DEPARTMENT OF DEFENSE TRIGRAPH CODE (FK) -> COUNTRY-DEPARTMENT-OF-DEFENSE: COUNTRY DEPARTMENT OF DEFENSE NAME
PROJECT	Real Property Site Unique Identifier (RPSUID)	Real Property Site Unique Identifier	The unique identifier used to permanently identify the Site where the project is executed.	NUMBER(6,0)	NOT NULL	RPSUID	MILCON-PROJECT-INFORMATION: REAL_PROPERTY_SITE_UNIQUE_IDENTIFIER (FK) -> DAIS-SITE: REAL_PROPERTY_SITE_UNIQUE_IDENTIFIER (PK)
		Real Property Site Name	The common identification or name for the Site where the project is executed.	VARCHAR(100)	NULL	RPSUID	MILCON-PROJECT-INFORMATION: REAL_PROPERTY_SITE_UNIQUE_IDENTIFIER (FK) -> DAIS-SITE: SITE-NAME
PROJECT	Project Number	Project Number	The Service-specific unique designator assigned at the initial appropriation for a construction requirement.	VARCHAR2(20)	NOT NULL	NA	MILCON-PROJECT-IDENTIFICATION: MILCON_Project_Number
PROJECT	Project Title	Project Title	The common text identification, phrase or name used to refer to a construction project.	VARCHAR2(200)	NULL	NA	MILCON-PROJECT-INFORMATION: MILCON_Project_Title
PROJECT	Sub-Project Number	Sub-Project Number	The Service-specific designator that uniquely identifies an increment of an established military construction project.	VARCHAR2(20)	NULL	NA	MILCON-PROJECT-IDENTIFICATION: Parent_Project.MILCON_Project_Unique_Identifier
PROJECT	Real Property Unique Identifier (RPUID)	Real Property Unique Identifier	A non-intelligent code used to permanently and uniquely identify a real property asset.	NUMBER(18,0)	NOT NULL	RPUID	MILCON-PROJECT-INFORMATION: REAL_PROPERTY_UNIQUE_IDENTIFIER (FK) -> REAL-PROPERTY-ASSET: REAL_PROPERTY_UNIQUE_IDENTIFIER (PK)
PROJECT	Diverted Funds Amount	Diverted Funds Amount	The total amount of funds from a project, in US Dollars, used for Congressionally-approved reprogramming actions, commonly referred to as above-threshold reprogramming (ATR).	NUMBER(16,2)	NULL	NA	MILCON-PROJECT-INFORMATION: MILCON_Fund_Total_Diverted_Amount

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
		Recipient Diverted Fund Amount	The amount of funds per recipient, in US Dollars, used for Congressionally-approved reprogramming actions, commonly referred to as ATR.	NUMBER(16,2)	NULL	NA	MILCON-DIVERTED-FUND-RECIPIENT-INFORMATION: MILCON_Diverted_Fund_Per_Recipient_Amount
PROJECT	Diverted Funds Recipient	Diverted Fund Recipient Project Number	The designator for a military construction project that identifies the project that will receive the diverted funds.	VARCHAR2(20)	NULL	NA	MILCON-DIVERTED-FUND-RECIPIENT-INFORMATION: MILCON_Diverted_Fund_Recipient_Project_Number
		Diverted Fund Recipient Text	The common identification or name for the recipient of diverted funds if a Project Number is not applicable.	VARCHAR2(100)	NULL	NA	MILCON-DIVERTED-FUND-RECIPIENT-INFORMATION: MILCON_Diverted_Fund_Recipient_Text
PROJECT	Diverted Funds Recipient RPSUID	Diverted Funds Recipient RPSUID	The identifier that uniquely identifies the Site that is the recipient of diverted funds.	NUMBER(6,0)	NULL	RPSUID	MILCON-DIVERTED-FUND-RECIPIENT-INFORMATION: REAL_PROPERTY_SITE_UNIQUE_IDENTIFIER (FK) -> DAIS-SITE: REAL_PROPERTY_SITE_UNIQUE_IDENTIFIER (PK)
PROJECT	Construction Start Date	Construction Start Date	The calendar date when construction on a project is scheduled to begin or actually started.	DATE	NULL	NA	MILCON-PROJECT-CONSTRUCTION: MILCON_Construction_Start_Date
PROJECT	Original Construction Completion Date	Original Construction Completion Date	The calendar date stipulated in the awarded contract when construction for a project is expected to be completed.	DATE	NULL	NA	MILCON-PROJECT-CONSTRUCTION: MILCON_Construction_Original_Completion_Date
PROJECT	Current Construction Completion Date	Current Construction Completion Date	The calendar date when construction for a project is currently estimated to be completed.	DATE	NULL	NA	MILCON-PROJECT-CONSTRUCTION: MILCON_Construction_Current_Completion_Date
PROJECT	Construction Percent Complete	Construction Percent Complete	The quantity of physical construction completed, expressed as a percentage, for a military construction project at a point in time.	NUMBER(3,0)	NULL	NA	MILCON-PROJECT-CONSTRUCTION: MILCON_Project_Percent_Complete

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
PROJECT	RPA Placed-In-Service Date	RPA Placed-In-Service Date	The planned or actual calendar date on which the real property asset is available for use by DoD.	DATE	NULL	NA	MILCON-PROJECT-CONSTRUCTION: RPA_Placed_In_Service_Date
PROJECT	Project Remarks	Project Remarks	A narrative used to provide additional details and clarifying information for a construction project.	VARCHAR2(2000)	NULL	NA	MILCON-PROJECT-INFORMATION: MILCON_Project Remarks_Text
PROJECT		Project Document	A recorded information used to provide supporting details and information for a construction project.	VARCHAR2(16)	NULL	NA	MILCON-DOCUMENT: Document_Identifier (FK) -> DOCUMENT: Document_Identifier (PK)
CONTRACT	Contract Data As Of Date	Contract Data As Of Date	The calendar date on which the contract data was last updated.	DATE	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Contract_Data_As_Of_Date
PROJECT	Project Number	Project Number	The Service-specific unique designator assigned at the initial appropriation for a construction requirement.	VARCHAR2(20)	NOT NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Project_Unique_Identifier (FK) -> MILCON-PROJECT-INFORMATION: MILCON_Project_Unique_Identifier (FK) -> MILCON-PROJECT:-IDENTI MILCON_Project_Number
PROJECT	Sub-Project Number	Sub-Project Number	The Service-specific designator that uniquely identifies an increment of an established military construction project.	VARCHAR2(20)	NULL	NA	MILCON-PROJECT-IDENTIFICATION: Parent_Project.MILCON_Project_Unique_Identifier
CONTRACT	Contract Solicitation Date	Contract Solicitation Date	The calendar date when a contract proposal was solicited or advertised for a construction project.	DATE	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Project_Contract_Solicitation_Date

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
CONTRACT	Contract Award Date	Contract Award Date	The calendar date when a Contract Award Letter was signed by the Contracting Officer for a construction project.	DATE	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Contract_Award_Date
CONTRACT	Prime Contract Recipient Name	Prime Contract Recipient Name	The common identification or name for the business entity that is the prime recipient of a contract awarded for a construction project.	VARCHAR2(180)	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Prime_Contract_Recipient_Company_Name
CONTRACT	Prime Contract Number	Prime Contract Number	The designator for a prime contract or procurement instrument awarded for a construction project.	VARCHAR2(60)	NOT NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Prime_Contract_Number (PK)
CONTRACT	Original Contract Amount	Original Contract Amount	The original amount, in US dollars, of MilCon or MFH appropriated funds on a contract awarded for construction on a project.	NUMBER(16,2)	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Original_Contract_Amount
CONTRACT	Current Contract Obligation Amount	Current Contract Obligation Amount	The contract amount, in US dollars, of MilCon or MFH funds currently obligated for construction on a project, including any modifications to the original contract amount awarded.	NUMBER(16,2)	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Contract_Current_Obligation_Amount
CONTRACT	Original Contract Completion Date	Original Contract Completion Date	The date stipulated in the awarded contract when the contract will be closed out.	DATE	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Original_Contract_Completion_Date
CONTRACT	Current Contract Completion Date	Current Construction Completion Date	The calendar date when the contract will be closed out.	DATE	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Current_Contract_Completion_Date
CONTRACT	Contract Remarks	Contract Remarks Text	A narrative used to provide additional details and clarifying information for a construction contract.	VARCHAR2(2000)	NULL	NA	MILCON-PROJECT-CONTRACT: MILCON_Contract_Remarks_Text

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
AGGREGATED EXPENDITURES	Expenditures Data As of Date	Expenditures Data As of Date	The calendar date on which the aggregated appropriation expenditure data was last updated.	DATE	NULL	NA	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Expenditure_Data_As_Of_Date
AGGREGATED EXPENDITURES	Appropriation Fiscal Year	Appropriation Fiscal Year	The four digit Fiscal Year when a Military Construction project was originally authorized.	INTEGER(4)	NOT NULL	NA	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Appropriation_Fiscal_Year (PK)
AGGREGATED EXPENDITURES	Project Sponsor Component Name	Project Sponsor Component Code	The code for the Military Department, DoD Agency, or Combatant Command, or other organizational entity that originates, sponsors, funds the construction project, and has statutory reporting responsibility for the 10 USC 2851 report.	VARCHAR2(2)	NOT NULL	Organization	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: REAL_PROPERTY_ORGANIZATION_CODE (FK) -> REAL-PROPERTY-ORGANIZATION: REAL_PROPERTY_ORGANIZATION_CODE (PK)
		Project Sponsor Component Name	The common identification or name for the Military Department, DoD Agency, or Combatant Command, or other organizational entity that originates, sponsors, funds the construction project, and has statutory reporting responsibility for the 10 USC 2851 report.	VARCHAR2(100)	NULL	Organization	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: REAL_PROPERTY_ORGANIZATION_CODE (FK) -> REAL-PROPERTY-ORGANIZATION: REAL_PROPERTY_ORGANIZATION_NAME
AGGREGATED EXPENDITURES	Appropriation Fund Type Name	Appropriation Fund Type Code	A code that denotes the type of appropriation specific to a construction project expenditure.	VARCHAR2(10)	NOT NULL	Appropriation Fund Type	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Appropriation_Fund_Type_Code (FK) -> MILCON-APPROPRIATION-FUND-TYPE: MILCON_Appropriation_Fund_Type_Code (PK)
		Appropriation Fund Type Text	The short name used to identify the type of appropriation specific to a construction project expenditure.	VARCHAR2(80)	NULL	Appropriation Fund Type	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Appropriation_Fund_Type_Code (FK) -> MILCON-APPROPRIATION-FUND-TYPE: MILCON_Appropriation_Fund_Type_Text

2851 Tab	2851 Template Field Name	Term Name	Proposed Definition	Proposed Data Type/Size	Proposed Null Option	Pick List	BSI LDM Mapping
AGGREGATED EXPENDITURES	Use Of Funds	Use of Funds Text	A brief narrative description of how project funds are used or will be used when specific types of funds are authorized for a Military Construction project.	VARCHAR2(512)	NULL	NA	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Fund_Use_Purpose_Text
AGGREGATED EXPENDITURES	Aggregated Appropriated Amount	Aggregated Appropriated Amount	The aggregated amount of funds, in US dollars, appropriated by Congress for a specific construction fund type.	NUMBER(16,2)	NULL	NA	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Aggregated_Appropriated_Amount
AGGREGATED EXPENDITURES	Aggregated Current Obligated Amount	Aggregated Current Obligated Amount	The aggregated obligated amount of funds, in US dollars, that have been disbursed to date for a specific construction fund type.	NUMBER(16,2)	NULL	NA	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Aggregated_Current_Obligated_Amount
AGGREGATED EXPENDITURES	Aggregated Current Expenditure Amount	Aggregated Current Expenditure Amount	The aggregated expenditure amount currently obligated for a specific construction fund type.	NUMBER(16,2)	NULL	NA	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Aggregated_Current_Expenditure_Amount
AGGREGATED EXPENDITURES	Expenditure Remarks	Expenditure Remarks Text	A narrative used to provide additional details and clarifying information for aggregated appropriation expenditures.	VARCHAR2(2000)	NULL	NA	MILCON-AGGREGATED-APPROPRIATION-EXPENDITURES: MILCON_Aggregated_Expenditure_Remarks_Text

Appendix F: MilCon Dashboard Business Rules

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
PROJECT	Data As Of Date	Project Data As Of Date	MC_2084	The system shall ensure all dates in the 2851 Monthly Report submission are in MM/DD/YYYY format. (400.1)	Project Data As Of Date must be in MM/DD/YYYY format.
	Fiscal Year	Project Fiscal Year	MC_2053	Project Fiscal Year must not be Null.	
			MC_XXXX		Project Fiscal Year must not be earlier than 2006 or greater than five years corresponding to the FY of the system date.
			MC_2077	The system shall allow the user to pick a four digit year for Project Fiscal Year starting from 2006 forward. (200.4.2)	Project Fiscal Year must be in YYYY format.
	Component	Project Sponsor Component Name	MC_2074	The value provided for the Project Component picklist on the web form must equal the values in the reference tables that contain organization names and codes maintained in DAIS.	Project Sponsor Component Name must contain a value from the pick list in DAIS.
			MC_XXXX		Project Sponsor Component Name must not be null when Appropriation Fund Type Name is not null. NOTE: This rule is applicable for the Aggregated Expenditures Section.
	Construction Project Type	Construction Project Type	MC_2047	Construction Project Type must not be Null.	
			MC_2048	Construction Project Type must equal one of the following: Major Military Construction, Military Family Housing, Military Family Housing O&M, Military Family Housing Improvement, Unspecified Minor Military Construction, American Recovery and Reinvestment Act, Base Realignment and Closure.	Construction Project Type must contain a value from the pick list in DAIS.

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
			MC_2049	The default for Construction Project Type is Major Military Construction	
			MC_2081	The system shall provide the following picklist values for the Construction Project Type field: Major Military Construction, Military Family Housing, Military Family Housing O&M, Military Family Housing Improvements, Unspecified Minor Military Construction, American Recovery and Reinvestment Act, Base Realignment and Closure. (200.4.5)	
			MC_2042	The value for State Or Primary Subdivision Code must equal a valid value in the table containing the official list of State Abbreviations.	State name must equal a value from the pick list in DAIS when not equal to 'Unspecified (ZU) and Country name equals United States.
	State	State	MC_2046	When State Or Country Primary Subdivision Code equals 'AMERICAN SOMOA' then Country Code must equal 'AMERICAN SOMOA', or when State Or Country Primary Subdivision Code equals 'GUAM' then Country Code must equal 'GUAM', or when State Or Country Primary Subdivision Code equals 'MARSHALL ISLAND', or when State equals 'PUERTO RICO' then Country must equal "PUERTO RICO", then Country Code must equal 'MARSHALL ISLAND'.	
			MC_2075	The reference table that contains the industry standard list of State Or Country Primary Subdivision Code must be maintained using the official Unites States Post Office values for State Abbreviations.	

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
			MC_2088	The system shall validate and map the State name to the corresponding 2-digit State Or Country Primary Subdivision Code in DAIS. (400.3.1)	
			MC_2079	The system shall provide picklist values for the State Or Country Primary Subdivision Code field and Country Code field on the online form using the "Country Department of Defense" table and the "Country Division" table in the DAIS database. (200.4.4)	
	Country	Country	MC_2041	The value for Country must equal a valid value in the reference table that contains the GENC (Geopolitical Entities, Names, Codes) Standard country codes.	Country name must equal a valid value in the reference table that contains the GENC (Geopolitical Entities, Names, Codes) Standard country codes when not 'World-wide Unspecified (ZWW)'.
			MC_XXXX		Country name must equal 'World-wide Unspecified (ZWW)' when State name equals 'Unspecified (ZU).'
			MC_2089	The system shall validate and map the Country name to the corresponding 3-digit Country Code in DAIS. (400.3.2)	
			MC_2044	When Country Code does not equal United States (USA) then State or Country Primary Subdivision Code may be blank.	
			RPSUID [Real Property Site Unique ID]	Real Property Site Unique Identifier (RPUSID)	MC_2039

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
			MC_2040	Real Property Site Unique Identifier (RPSUID) must associate to the Site Identifier of the Site where an Installation is located.	
			MC_2045	When State Or Country Primary Subdivision Code equals 'CL' or Country Code equals 'WWC' or 'Afghanistan' then Real Property Site Unique Identifier (RPSUID) must be blank.	
			F_1138	A valid Real Property Site Unique Identifier must be provided.	RPSUID must equal a valid value from DAIS when not null.
			MC_2083	The system shall provide picklist values for the Real Property Site Unique Identifier (RPSUID) from the applicable table in the DAIS database. (200.4.7)	
			MC_2085	The system shall validate that the Real Property Site Unique Identifier (RPSUID) provided in the 2851 Monthly Report submission exists in DAIS. (400.2)	
			MC_2086	The system shall generate an error message when an invalid Real Property Site Unique Identifier (RPSUID) is detected. Ex. "The RPSUID you provided does not match an existing Site. Please provide the correct RPSUID and resubmit your report." (400.2.1)	
			MC_2099	RPSUID must be populated with a number greater than zero.	

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
	Project Number	Project Number	MC_2095	When Component equals 'Washington Headquarters Services' and Project Number is null and no MPUID is assigned then the system must generate and assign an MPUID and use the MPUID to populate the Project Number.	
			MC_xxxx		Project Number must not be null when Project Fiscal Year is not null.
			MC_2096	When Component equals 'Washington Headquarters Services' the value for Project Number must equal the value for MPUID when an MPUID has been assigned.	
	Project Title	Project Title	MC_2076	Project Title must not be Null when Construction Project Number is Not Null.	Project Title must not be null when Project Number is not null.
	None - replaces Parent Project Number	Sub-project Number	MC_xxxx		Sub-project Number must be associated to a Project Number when not null.
	Parent Project Number	Parent Project Number	MC_xxxx		When a project is incrementally funded under more than one appropriation, the Project Number of the first increment must be entered as the Parent Project Number for all subsequent increments.
	RPUID [Real Property Asset ID]	Real Property Unique Identifier (RPUID)	MC_2097	When the Consolidated 2851 Monthly Congressional Report is auto-generated, the system shall include all fields from the 2851 Monthly Report template EXCEPT the field 'RPUID Real Property Asset Unique ID' and 'MPUID'.	
	Diverted Funds Amount	Project Diverted Funds Amount	MC_2036	Diverted Funds Amount must not be Null when Diverted Funds Recipient Project is not Null.	Project Diverted Funds Amount must not be null when Diverted Funds Recipient is not null.

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
			MC_2100	When Diverted Funds amount is not null the value must be a number greater than zero.	Project Diverted Funds Amount must be greater than zero when not null.
			MC_2101	Diverted Funds amount can be null.	
	Diverted Funds Recipient	Diverted Funds Recipient	MC_2037	Diverted Funds Recipient Project must not be Null when Diverted Funds Amount is not Null.	Diverted Funds Recipient must not be null when Project Diverted Funds Amount is not null.
	Start Date	Construction Start Date	MC_2057	Construction Start Date must not be Null when Construction Percent Complete is greater than zero.	Construction Start Date must not be null when Construction Percent Complete is not null.
MC_2056			Construction Start Date must not be Null when Current Construction Completion Date is Not Null.	Construction Start Date must not be null when Current Construction Completion Date is not null.	
MC_2058			Construction Start Date must not be Null when Placed-In-Service Date is not Null.	Construction Start Date must not be null when RPA Placed in Service Date is not null.	
	Original Completion Date	Original Construction Completion Date	MC_2028	Original Construction Completion Date must not be Null when Award Date is Not Null.	Original Construction Completion Date must not be null when Contract Award Date is not null.
	Current Completion Date	Current Construction Completion Date	MC_2030	Current Construction Completion Date must not be Null when Construction Percent Complete equals 100.	
			MC_2029	Current Construction Completion Date must not be Null when Construction Start Date is Not Null.	Current Construction Completion Date must not be null when Construction Start Date is not null.
	Percent Complete	Construction Percent Complete	MC_2014	The value for Construction Percent Complete must be greater than or equal to zero and less than or equal to 100 when Construction Start Date is not Null.	Construction Percent Complete must be greater than or equal to 0.0 and less than or equal to 100.0 when not null.
			MC_2015	When the value for Construction Percent Complete is equal to 100% then Current Construction Completion Date must not be Null.	

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
			MC_2020	If Placed-in-Service Date is Not Null then the Construction Percent Complete must be greater than zero.	Construction Percent Complete must be greater than zero when RPA Placed In Service Date is not null.
	Placed-In-Service Date	RPA Placed In Service Date			
	Remarks	Project Remarks			NO BR
	Data As Of Date	Contract Data As Of Date	MC_xxxx		Contract Data As Of Date must be in MM/DD/YYYY format.
CONTRACT	Solicitation Date	Contract Solicitation Date	MC_2022	Solicitation Date must not be Null when Award Date is Not Null.	Contract Solicitation Date must not be null when Contract Award Date is not null.
			MC_2024	Solicitation Date must be a date earlier than the Award Date.	
			MC_2023	Solicitation Date must not be Null when Construction Start Date is Not Null.	
			MC_2104	When Solicitation Date is greater than current/system date then Prime Contract Number must be null.	Contract Solicitation Date must not be greater than DAIS system date.
	Award Date	Contract Award Date	MC_2026	Award Date must not be Null when Construction Start Date is Not Null.	Contract Award Date must not be null when Construction Start Date is not null.
			MC_2025	Award Date must not be Null when Prime Contract Recipient is Not Null.	Contract Award Date must not be null when Prime Contract Recipient Name is not null.
			MC_xxxx		Contract Award Date must not be greater than DAIS system date.
			MC_2027	Award Date must be a date later than the Solicitation Date.	Contract Award Date must be later than Contract Solicitation Date.
	Prime Contract Recipient	Prime Contract Recipient Name	MC_2098	The Prime Contract Recipient (Company Name) must not contain content that is NOT the name of the entity that has been awarded the prime contract for a construction contract.	

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
			MC_2005	Prime Contract Recipient must not be Null when the Construction Start Date is Not Null.	Prime Contract Recipient Name must not be null when the Construction Start Date is not null.
			MC_2106	When Solicitation Date is greater than current/system date then Prime Contract Recipient (Company Name) must be null.	Prime Contract Recipient Name must not be null when Contract Award Date is not null.
	Prime Contract Number	Prime Contract Number	MC_2007	The Prime Contract Recipient must not be Null when the Prime Contract Number is Not Null.	Prime Contract Number must not be null when Prime Contract Recipient Name is not null.
			MC_2103	When Award Date is greater than current/system date then Prime Contract Number must be null.	
			MC_2105	When Award Date is greater than current/system date then Prime Contract Recipient (Company Name) must be null.	
			MC_2009	Prime Contract Number must not be Null when Construction Start Date is Not Null.	Prime Contract Number must not be null when Contract Award Date is not null.
	Original Completion Date	Original Contract Completion Date	MC_xxxx		Original Contract Completion Date must be greater than or equal to the Original Construction Completion Date.
	Current Completion Date	Current Contract Completion Date	MC_xxxx		Current Contract Completion Date must be greater than or equal to the Contract Award Date.
	Original Contract Amount	Original Contract Amount	MC_xxxx		Original Contract Amount must not be null when Contract Award Date is not null.
	Current Contract Obligation	Current Contract Obligation Amount	MC_xxxx		Current Contract Obligation Amount must be greater than or equal to zero when not null.
	Remarks	Contract Remarks			NO BR
AGGREGATE D	Data As Of Date	Expenditures Data As Of Date	MC_xxxx		Expenditures Data As Of Date must be in MM/DD/YYYY format.

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
EXPENDITURES	Fiscal Year	Appropriation Fiscal Year	MC_xxxx	Project Fiscal Year must not be Null.	Appropriation Fiscal Year must not be null when Contract Award Date is not null.
			MC_xxxx		Appropriation Fiscal Year must not be earlier than 2006 or greater than five years corresponding to the FY of the system date.
			MC_2077	The system shall allow the user to pick a four-digit year for Project Fiscal Year starting from 2006 forward. (200.4.2)	Appropriation Fiscal Year must be in YYYY format.
	Component	Appropriation Component Name	MC_2074	The value provided for the Project Component picklist on the web form must equal the values in the reference tables that contain organization names and codes maintained in DAIS.	NOTE: This is actually the Project Sponsor Component Name. No need for this Data Element.
	Appropriation Fund Type	Appropriation Fund Type Name	MC_2050	When Appropriation Fund Type is Not Null then Use of Funds must not be Null.	Appropriation Fund Type Name must not be null when Use of Funds is not null.
			MC_2051	Appropriation Fund Type must equal one of the following: Planning and Design, Unspecified Minor Military Construction, Military Family Housing O&M, Oversees Contingency Operations, Host Nation Support, American Recovery and Reinvestment Act, Base Realignment and Closure.	Appropriation Fund Type Name must contain a value from the pick list in DAIS when not null.
			MC_xxxx		Appropriation Fund Type Name must not be null when Expenditure Fiscal Year is not null.
			MC_2082	The system shall provide the following picklist values for the Appropriation Fund Type: Major Construction, P & D, MFH Improvement, MFH O&M, UMMC, OCO, HNS, ARRA, BRAC. (200.4.6)	
	Use Of Funds	Use Of Funds			

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
	Appropriated Amount	Aggregated Appropriated Amount	MC_2059	Appropriated Amount for a specified Fiscal Year must not be Null when Appropriation Fund Type is equal to 'Planning and Design', 'Unspecified Minor Military Construction' or 'Military Family Housing Operations and Maintenance'.	Aggregated Appropriated Amount must not be null when Appropriation Fund Type is not null.
	Current Obligated Amount	Aggregated Current Obligated Amount	MC_xxxx	Current Obligated Amount per Fiscal Year must be provided for 'Planning and Design', 'Unspecified Minor Construction' and 'Military Family Housing Operations and Maintenance'.	Aggregated Current Obligated Amount must not be null when Appropriation Fund Type is not null.
	Current Expenditure Amount	Aggregated Current Expenditure Amount	MC_xxxx	Current Expenditure Amount must be provided per Fiscal Year for 'Planning and Design', 'Unspecified Minor Construction' and 'Military Family Housing Operations and Maintenance'.	Aggregated Current Expenditure Amount must not be null when Appropriation Fund Type is not null.
	Remarks	Expenditure Remarks			NO BR
SYSTEM		MilCon Project Unique Identifier (MPUID)	MC_2092	When a unique combination of a Project Number and Project Component exists without an associated MPUID, then an MPUID must be assigned. (500.2.2 re-worded)	An MPUID (MilCon Project Unique Identifier) must be assigned for every unique combination of Project Number, Project Sponsor Component Name and Project Fiscal Year.
		MilCon-Internal	MC_2102	'Fiscal Year', 'Component', and 'Fund Authorization' combination may contain one or more associated rows for 'Use of Funds', 'Appropriated Amount', 'Current Obligated Amount', 'Current Expenditure Amount', and 'Remarks'	

Section	Original Data Element Name	Data Element Name	Business Rule ID	Current Business Rule Text	Revised Business Rule Text
		MilCon-Internal	MC_2093	Only Users that have the Submitter role, and are members of the Service/Agency Organization group associated with those Projects are allowed to Update the record for that MPUID.	Only Users that have the Submitter role and are members of the Service/Agency Organization group associated with those Projects are allowed to Update the record for that MPUID.
		MilCon-Internal	MC_2094	In an XLS Upload Submission, there can be zero rows in the Details worksheet.	
		MilCon-Internal	MC_2107	From Danielle - Warning Message	The State or Country Primary Subdivision Code and Country Code combination for the Real Property Unique Identifier must be valid.
		MilCon-Internal	MC_2108	From Danielle - Warning Message	The State or Country Primary Subdivision Code and Country Code combination for the Real Property Site Unique Identifier must be valid.
		MilCon-Internal	MC_2109	From Danielle - Warning Message	The Real Property Unique Identifier and Real Property Site Unique Identifier combination must be valid.