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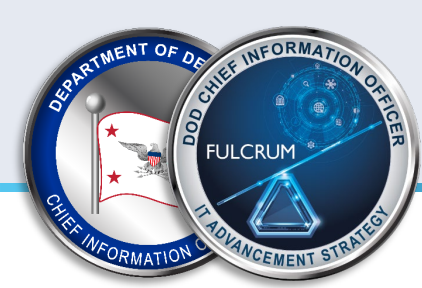
Jan 21, 2025

Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW



Introduction to the CMMC Enterprise Mission Assurance Support Service (eMASS)

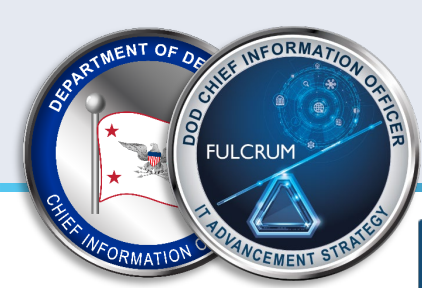
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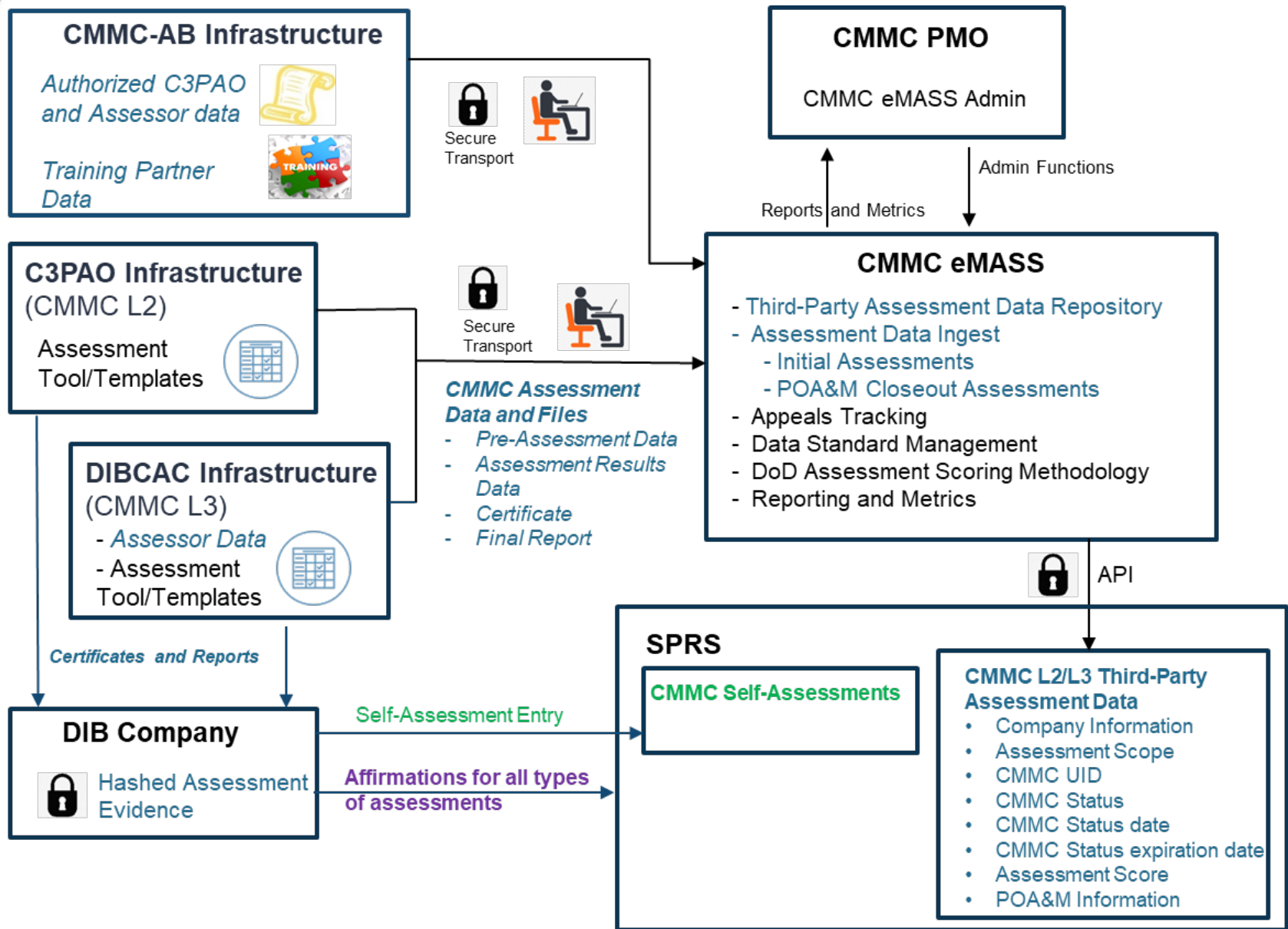
CMMC eMASS Overview

- The Cybersecurity Maturity Model Certification (CMMC) eMASS is a tailored version of DoD's eMASS that is used to store, track, and report on CMMC Level 2 and Level 3 assessment data
- CMMC eMASS is the data repository for CMMC assessment and supporting data. It does not contain proprietary data (e.g., assessment evidence)
- CMMC eMASS is also the engine for tracking assessments, Plans of Actions and Milestones (POA&Ms), and appeals actions, and is a mechanism used for reporting/tracking CMMC metrics

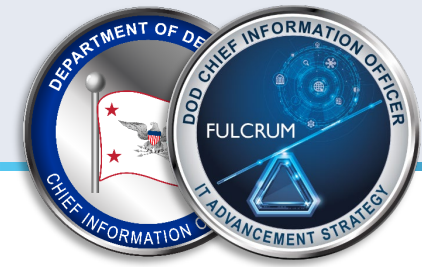
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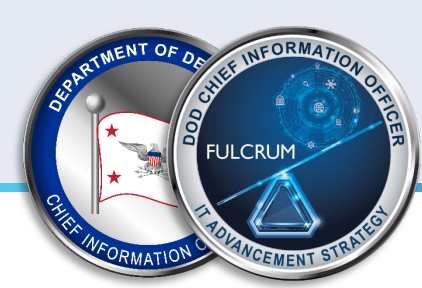
CMMC eMASS Assessment Data Flow



CMMC eMASS Roles (1/2)

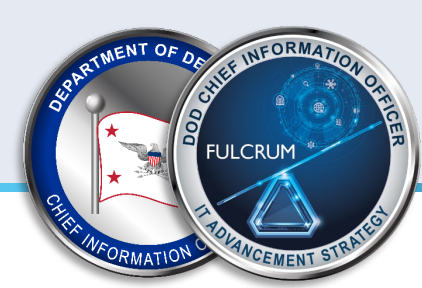


- CMMC Program Management Office (PMO) Role:
 - Government user. Can access all data in the system and run reports.
- CMMC PMO Administrator Role:
 - System administrator. Create and configure user accounts and access.
- CMMC Accreditation Body (AB) Role:
 - User from the CMMC AB that uploads data for authorized CMMC Third-Party Assessment Organizations (C3PAOs), authorized assessors, approved training partners, and approved partner publishers.



CMMC eMASS Roles (2/2)

- C3PAO Role:
 - Ability to upload **CMMC Level 2** pre-assessment data, assessment results, and certificates for initial assessments and POA&M close-out assessments
 - Ability to track appeals
 - Has access to assessment data only of the companies they have assessed
- Defense Industrial Base Cybersecurity Assessment Center (DIBCAC) Role:
 - Ability to upload **CMMC Level 3** pre-assessment data, assessment results, and certificates for initial assessments and POA&M close-out assessments
 - Has access to all assessment data, reports, and metrics



Non-Administrative Use of CMMC eMASS

AB action:

- Upload authorized C3PAO and Level 2 assessor data

DIBCAC action:

- Upload Level 3 assessor data

C3PAO and DIBCAC action:

- Create assessment records and workflows
- Upload planning data (Pre-Assessment information)
- Upload assessment results
- Upload the CMMC certificate

CMMC eMASS System Application Programming Interface (API):

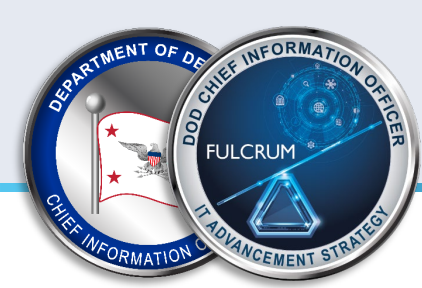
- Subset of the data for completed assessment records pulled into SPRS

C3PAO and DIBCAC action:

- Upload POA&M Closeout Assessment Data
- Track appeals actions

CMMC PMO and others:

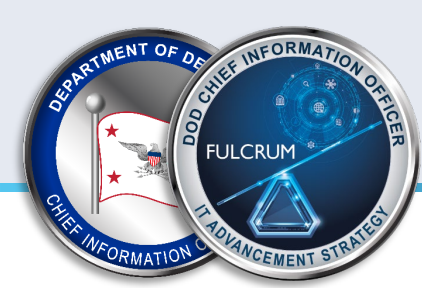
- View and download reports/metrics



CMMC Assessment Data Standard

- **Assessment teams generate assessment data compliant with the CMMC assessment data standard, which is comprised of two JSON schemas—one for “pre-assessment,” or planning data, and one for assessment results:**
 - CMMC.PreAssessment.schema.json
 - CMMC.AssessmentResults.schema.json
- **C3PAOs may develop or purchase any tool that is compliant with the data standard and DoD security requirements to generate pre-assessment data and assessment results in the required JSON file format. C3PAOs may also use two spreadsheets that are compliant with the assessment data standard:**
 - CMMC_Level2_PreAssessment_Template.xlsx
 - CMMC_Level2_AssessmentResults_Template.xlsx

All assessment data standard files will be maintained by CMMC eMASS developers over the CMMC eMASS system’s lifecycle and are available on <https://cmmc.emass.apps.mil/>



CMMC eMASS Process Flow (1 of 3)

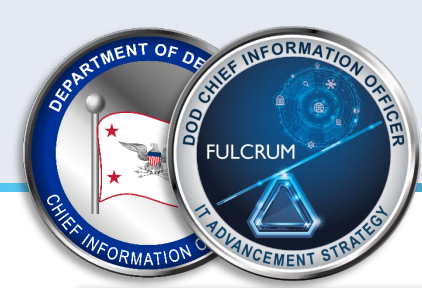
PREREQUISITES

- C3PAO/DIBCAC coordinates with Organization Seeking Certification (OSC) to determine assessment scope, team, and plan
- C3PAO/DIBCAC contacts the CMMC PMO Admin to configure “HQ record”
 - *A Defense Industrial Base (DIB) company may have multiple information systems requiring separate assessments. Each assessment aligns with a unique OSC. Multiple OSCs may align with a single DIB company*

DIB Company (“HQ Record”)

├ OSC 1
└ OSC 2

- **CMMC eMASS Step 1:** Create Assessment Record/Package
- **CMMC eMASS Step 2:** Upload “Pre-Assessment” Information



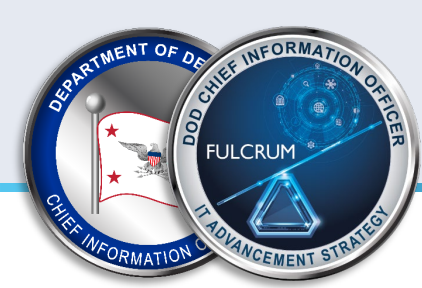
CMMC eMASS Process Flow (2 of 3)

Conduct Assessment

- OSC hashes assessment artifacts
- Quality review and approval process (internal to the C3PAO and DIBCAC)
- Assessment results are reported using the data standard

• CMMC eMASS Step 3: Upload “Assessment Results”

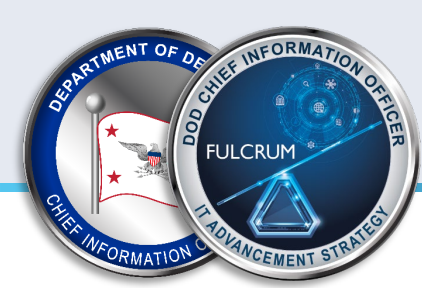
- If assessment results in Final or Conditional status:
 - CMMC eMASS calculates the score and CMMC Status (Final or Conditional Level 2 or 3)
 - CMMC eMASS autogenerates CMMC UID, Status Date (the date the results are uploaded), and Status Expiration Date (3 years for Final assessments, 180 days for Conditional assessments)
- If assessment does not result in a Final or Conditional status:
 - CMMC Status is “No CMMC Status”



CMMC eMASS Process Flow (3 of 3)

- CMMC eMASS Step 4: Upload Certificate
 - Limited assessment data is transferred to SPRS
- CMMC eMASS Step 5: Upload Assessment Findings Report

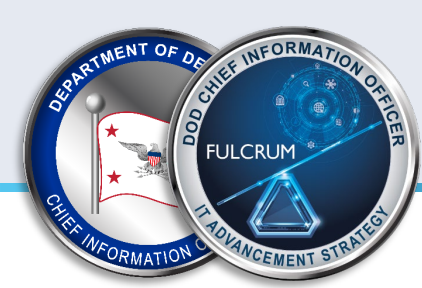
ASSESSMENT WORKFLOW PROCESS COMPLETE



POA&M Closeout Assessment

POA&M close-out assessment workflow is identical to that of an initial assessment

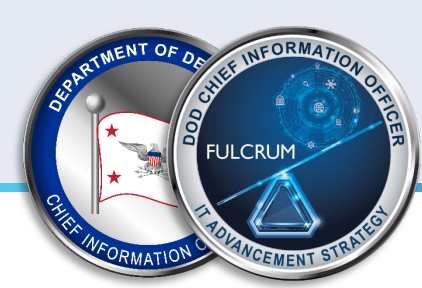
- The same data standard is used to report data (pre-assessment and results templates/JSON schemas)
- If the POA&M closeout assessment results in a CMMC Status of Final Level 2 or 3, then the CMMC Status is updated to reflect the change from Conditional to Final Level 2 or 3 with no change to the CMMC Status Date
- If the POA&M closeout assessment results in No CMMC Status, then the CMMC Status is updated from Conditional to No CMMC Status with no change to the CMMC Status Date
- There is no option for a POA&M closeout assessment to result in an updated Conditional status
- For Level 2 assessments, the same or a different C3PAO may conduct the POA&M closeout assessment



References

- **C3PAO User Job Aid:** *eMASS_CMMC_C3PAO_User_Job_Aid.pdf**
- **C3PAO CMMC eMASS CONCEPT of OPERATIONS V. 5.12***
- **CMMC eMASS site:** <https://cmmc.emass.apps.mil/>
- **CMMC eMASS PMO Administrator email:** osd.pentagon.dod-cio.mbx.cmmc-emass-admin@mail.mil
- **CMMC Assessment Data Standard*:**
 - **JSON schema:** CMMC.PreAssessment.schema.json
 - **JSON schema:** CMMC.AssessmentResults.schema.json
 - **Excel spreadsheet:** CMMC_Level2_PreAssessment_Template.xlsx
 - **Excel spreadsheet:** CMMC_Level2_AssessmentResults_Template.xlsx
- **CMMC Artifact Hashing Tool User Guide:** <https://dodcio.defense.gov/CMMC/>
- **Help Desk Ticketing:** *eMASS_CMMC_Help_Desk_Ticket_Job_Aid.pdf**
- **New User Registration:** *eMASS_CMMC_New_User_Registration_Job_Aid.pdf**

* File available at <https://cmmc.emass.apps.mil/>



Acronyms

API – Application Programming Interface

C3PAO - CMMC Third-Party Assessment Organization

CAC – Common Access Card

CCA – CMMC Certified Assessor

CMMC – Cybersecurity Maturity Model Certification

DIB – Defense Industrial Base

DIBCAC – Defense Industrial Base Cybersecurity Assessment Center

DoD – Department of Defense

ECA - External Certificate Authority

eMASS - Enterprise Mission Assurance Support Service

IT – Information Technology

JSON - JavaScript Object Notation

OSC - Organization Seeking Certification

PIV – Personal Identity Verification

PKI – Public Key Infrastructure

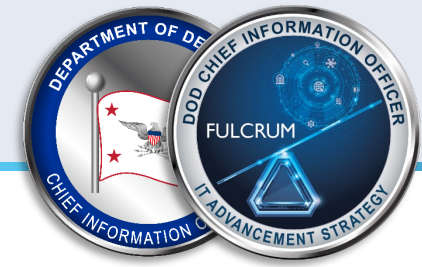
POC – Point of Contact

PMO – Program Management Office

POA&M - Plan of Actions and Milestones

SPRS – Supplier Performance Risk System

UID – Unique Identifier



Points of Contact

Cybersecurity Maturity Model Certification Program Management Office

For inquiries regarding eMASS

osd.pentagon.dod-cio.mbx.cmmc-inquiries@mail.mil

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Questions?

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