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FM COMDT COGARD WASHINGTON DC
TO ALCOAST
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ALCOAST 103/25

SSIC 5402

SUBJ: DATA, ANALYTICS, AND AI TECHNICAL AUTHORITY, COMPETENCIES,
AND USE CASE INVENTORYING REQUIREMENTS

A. CCG memo 5420 of 21 June 2022, Commandant Directives: 100-Day
Action Plan

B. Data and Analytics Technical Authority, COMDTINST 5402.5

C. DAAICTR PG-5300.1A Competency and Training Request Process Guide

D. Executive Order 13960, Promoting the Use of Trustworthy
Artificial Intelligence in the Federal Government

E. DHS Policy Statement 139-06, "Acquisition and Use of Artificial
Intelligence and Machine Learning by DHS Components"

F. DHS Policy Statement 139-07, "Use of Commercial Generative
Artificial Intelligence (AI) Tools."

1. The Office of Data & Analytics (CG-ODA) is pleased to announce
the establishment and implementation of REF (B), the Data and
Analytics Technical Authority, COMDTINST 5402.5. Per REF (A), data
and analytics is established as a technical domain. The scope of
the data and analytics technical domain includes data governance,
data management, and data analytics, including AI. This instruction
can be viewed here:

(Copy and Paste URL Below into Browser)

[https://uscg.sharepoint-mil.us/sites/USCGReferences/directives/
Directives/CI_5402_5.pdf](https://uscg.sharepoint-mil.us/sites/USCGReferences/directives/Directives/CI_5402_5.pdf)

2. Pursuant to the Technical Authority, COMDT (CG-ODA) is also
excited to announce the launch of the Data, Analytics, and AI
(DAAI) competency attainment process and training pathways for
six (6) new DAAI competencies that will enhance the technical skills
needed to advance data, analytics, and AI in the Coast Guard:
Data Analyst I; Data Analyst II; Data Steward; Data Scientist;
Data Engineer; AI/Machine Learning (ML) Specialist. All personnel,
including active, reserve, officer, enlisted and civilian, are
eligible to attain the DAAI competencies. Personnel interested in
applying for the DAAI competencies can get started by following the
procedures outlined in REF (A):

(Copy and Paste URL Below into Browser)

[https://uscg.sharepoint-mil.us/sites/ODA/SitePages/Data-Analytics-
and-Artificial-Intelligence-Competencies.aspx](https://uscg.sharepoint-mil.us/sites/ODA/SitePages/Data-Analytics-and-Artificial-Intelligence-Competencies.aspx)

3. This ALCOAST also establishes the AI inventorying requirement for
all Coast Guard commands, offices, and programs currently using any
type of AI from any source, including commercial and open-source
products available through web access. The use of AI by a contractor
in support of a Coast Guard contract must also be inventoried. In
accordance with REFs (D), (E), (F) and applicable implementing

guidance, all uses of AI within the USCG require assessment, risk management, and inventorying (i.e., how an AI product is used to solve a problem or meet a requirement of the USCG). "Artificial Intelligence," as defined in the John S. McCain National Defense Authorization Act for Fiscal Year 2019, includes:

a. Any artificial system that performs tasks under varying and unpredictable circumstances without significant human oversight, or that can learn from experience and improve performance when exposed to data sets.

b. An artificial system developed in computer software, physical hardware, or other context that solves tasks requiring human-like perception, cognition, planning, learning, communication, or physical action.

c. An artificial system designed to think or act like a human, including cognitive architectures and neural networks.

d. A set of techniques, including machine learning, that is designed to approximate a cognitive task.

e. An artificial system designed to act rationally, including an intelligent software agent or embodied robot that achieves goals using perception, planning, reasoning, learning, communicating, decision-making and acting.

4. Please use the COMDT (CG-ODA) short form to inventory current uses of AI. For the COMDT (CG-ODA) inventorying short form:
(Copy and Paste URL Below into Browser)

<https://forms.osi.apps.mil/r/iSujdpW2wJ>

For the current USCG AI Use Case Inventory, where existing USCG AI use cases are documented:
(Copy and Paste URL Below into Browser)

<https://ea.dhs.gov/mobius/ai-use-case/home>

5. For more information and copies of REFs (A) through (E) visit COMDT (CG-ODA) AI SharePoint hub:
(Copy and Paste URL Below into Browser)

<https://uscg.sharepoint-mil.us/sites/ODA/SitePages/AI-In-the-Coast-Guard.aspx>

6. POC: SMB-COMDT-ODA@uscg.mil

7. Mr. B. Campo, Chief Data and Artificial Intelligence Officer (CG-6DAO), sends.

8. Internet release is authorized.