

The Challenge > Overview

- Federal agencies and programs have unique environments that must comply with the appropriate laws, regulations, policies and multi-dimensional layers of enterprise architectures and requirements.
- The cost of complying is high and the cost of Non-Compliance is even higher.

Laws, Regs and Policies (LRP)

OMB-300	GPRA
FMFIA	Clinger-Cohen
FFMIA	A-123
IG Act	DoD 5000
FISMA	IPIA
FIPS	CFO Act

Architectures, Requirements, Checklists

Enterprise-Level Architectures

(ie. BEA, FEA, DoDAF)

Domain- & Component-Level Architectures

(ie. Systems, Weapons, Information, Operational)

Program / Systems Requirements

System Lifecycle Checklists

Acquisition Checklists

The cost of complying is high for agencies:

- Navigating through myriad applicable laws and regulations is paper and time intensive
- There are large margins for error
- Compliance process can leave you confused
- Compliance is an activity currently in the hands of highly specialized and typically expensive experts



The Challenge > Cost of Non-Compliance

The cost of non-compliance is even higher:

- An initiative fails to graduate to “program status”
- A system fails to be approved
- A program doesn’t receive full funding
- Systems and programs are misaligned to higher-level architectures
- Programs are unable to make defensible IT investment decisions



ACART is a net-centric, management decision support tool that helps key stakeholders to scope, assess and assert architecture enterprise requirements compliance.

Although ACART is used to streamline compliance, it is a highly-customizable platform that is also used for comparing systems and requirements and enabling more effective IT investment decisions.

Bottom line: ACART assists agencies in determining the “best IT bang for the buck.”



The uses of ACART are diverse:

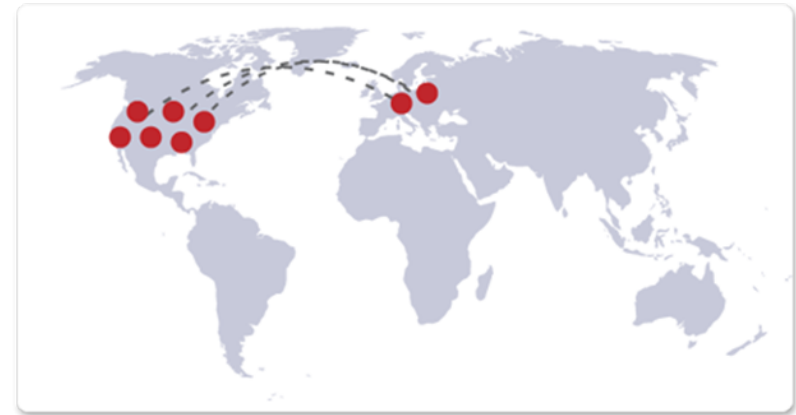
- Assert compliance of lower-level programs and systems to domain-level architectures
- Assert compliance of domain and component-level architectures to enterprise-level architectures
- Develop Analysis of Alternatives (AoA) for proposed system(s) or program(s)
- Demonstrate compliance to laws, regulations and policies (LRPs) such as FMFIA, FMIA, Clinger-Cohen, GPRA, A-123
- Generate reporting for Pre-Certification Authorities (PCA), Internal Review Boards (IRB), and other auditing / review committees
- Compare vendor proposals against solicitation requirements and report to the Source Selection Board.



ACART Can Help > Types of Requirements & Users

Requirements can come from multiple levels and multiple geographic locations around the world. No matter where your executive leadership, program operations, enterprise architectures, and supporting systems are located, ACART can tie it all together.

Using ACART's net-centric model, key stakeholders around the country and world can login and access ACART.



Connecting Requirements and Users

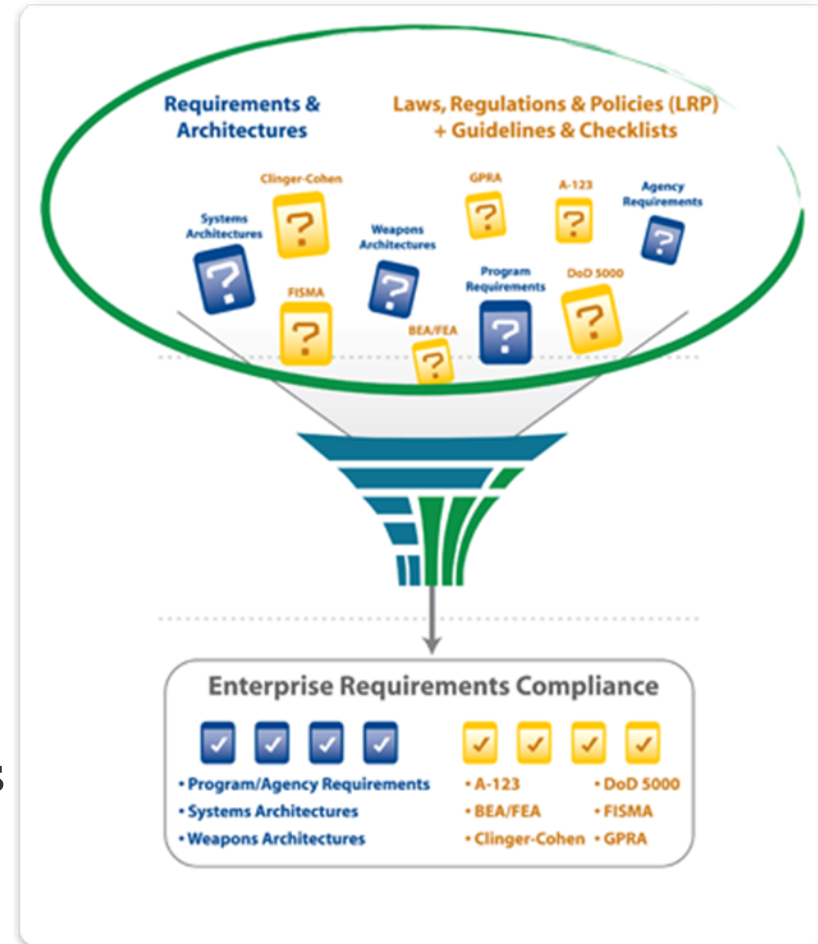
ACART Can Help > Types of Requirements & Users

Users:

- CxO Executive Leadership
- Program Managers
- System Analysts
- Pre-Certification Authority (PCA) Staff
- Investment Review Board (IRB) Members
- Other Key Stakeholders

Requirements

- Laws, Regulations, & Policies (LRP)
- Enterprise-Level Architectures
- Domain & Component Level Architectures
- Program / Systems Requirements
- System Life Cycle Checklists
- Acquisition Life Cycle Checklists



The ACART Process > Configure & Navigate

EM&I analyzes programs or systems to identify and review the complete list of activities in the architecture or requirements set the client wishes to comply to.

EM&I converts all necessary architecture and requirements documentation into ACART "containers."

Users then select those activities applicable to the program or system. ACART reduces this list to those activities that are only applicable to your program or system.

The ACART process is designed to first take the user through the architecture or requirements (which you are complying to) in a general to specific path. It works much like a sieve.

Ultimately, the user ends up with a narrowed down, clearly-defined set of items that can be used to generate assertions measuring the extent of their program or system compliance to those original requirements.



The ACART Process > Scope & Assert

This list of activities will yield a list of related processes, information exchanges (inputs/outputs) and applicable controls (LRPs). From this more limited list, the program selects applicable processes and information exchanges. These selections further reduce the architecture or requirements elements while increasing the detail of the program's focus.

This "sieve" or filter further shrinks the universe of items required for pre-certification review by the program.

The last selections will, in turn, yield a list of business rules, data objects, data elements, data entities, system functions and technical standards associated with the filtered list of activities/processes.

The more focused program selections are then saved. The selected architecture elements may be reviewed by audit / review committees and exported as documentation of the pre-certification process and imported into a program system requirements tracking database.



ACART's Scoping & Asserting functionality enables users to:

- Map and trace requirements across all organization levels and provide context.
- Navigate your complex set of requirement hierarchies.
- Assess compliance to those requirements.
- Filter and sort non-relevant requirements.



The ACART Process > Document & Report

Based on your assertions, ACART will enable your program or system to:

- View dashboard reporting of compliance status
- Compare multiple systems scope and compliance (trade-off analysis)
- Perform side-by-side analysis on multiple compliance assessments
- Report the program's scope and state of compliancy
- Assert and save historical record of the program / system assessment
- Align the assessment with the compliance requirements
- Develop a program compliance plan
- Document planned corrective action for items marked "less than compliant" and create estimated completion dates for progress tracking
- Make assessment available for Pre-Certification Authority (PCA) review and approval



EM&I Value > Pre-ACART Implementation

EM&I's senior-level consultants prepare your organization to better assess, understand, analyze and document your enterprise architecture, systems / business environments, and acquisition process. We provide services in the following areas:

➤ **Assessments**

- Enterprise Architecture Maturity
- Level of Compliance · System / Program Alignment
- Organizational Readiness

➤ **Requirements Analysis Support**

➤ **Acquisition Management Support**

➤ **Systems Life Cycle Support**



With this management visibility into operations, your organization is positioned to leverage additional opportunities through EM&I, including:

- Enterprise Architecture Oversight Support
- Enterprise Architecture Business Alignment Support
- IT Investment Analysis and Decision Support
- Portfolio/IT/Business Alignment and Analysis Support
- Program and Project Methodology Support



CONTACT US

For more information about ACART or to schedule an online or onsite demo, please contact:

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