



# Comprehensive Cost and Requirement System (CCaR) Version 10.5.1

## System Overview

The Comprehensive Cost and Requirements System (CCaR) is an enterprise program and financial management system that delivers real-time program information to government decision makers. At the core of the CCaR System are automated reports and analysis tools which allow the program and financial managers to define program requirements, formulate program budgets, forecast program execution and track the execution of program funds.

CCaR utilizes the power of the Oracle relational database system to provide decision makers with a common-sense, hierarchical approach to managing requirements and budgets.

Program requirements are defined in CCaR and assigned to budgets across fiscal years to form the program requirement baseline. Requirements are reviewed through the management chain by utilizing CCaR's automated workflow processing. Reviewers are notified electronically, via e-mail to coordinate, comment on, and approve program requirements.

CCaR supports the Planning, Programming, Budgeting and Execution (PPBE) process by presenting the requirement and budget data across fiscal years for use in Program Objective Memorandum (POM), Budget Estimate Submission (BES) and President's Budget (PB) submissions. Requirement prioritization and automated budget algorithms distribute budget to the high priority requirements and identify those requirements which will be unfunded.

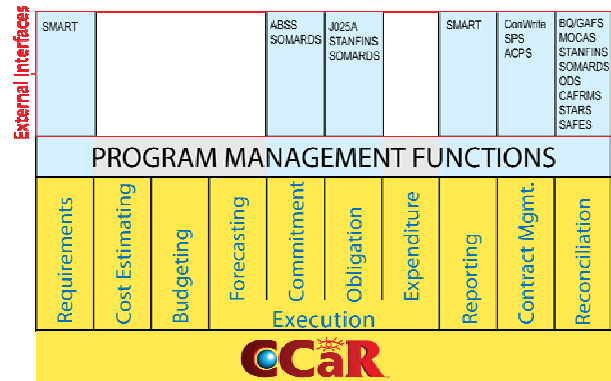
CCaR allows project managers to fully detail their execution forecast baseline and maintain a revised forecast to allow efforts to be re-planned as necessary. CCaR automatically compares actual execution to the revised and baseline forecasts to status performance as measured against the baseline and DoD execution goals.

Once funds are appropriated, distributed to the agencies, and loaded in CCaR, customized business rules allow the financial managers to set account targets and control the execution of funds to avoid Anti-Deficiency Act (ADA) violations.

Funds execution begins with the creation of electronic commitment documents from the requirement and budget. For Air Force organizations, CCaR interfaces with the Automated Business Services System (ABSS) to provide seamless processing and certification of commitment documents.

Interfaces with contracting systems deliver electronically imported obligation positions. CCaR allows organizations to track vouchers and other expenditures back to the requirement and budget. The CCaR Contract Module provides a means to track contract obligations and expenditures and provide valuable data by CLIN and/or ACRN.

CCaR delivers a complete cradle-to-grave funding history by reconciling with the official accounting system to ensure funds are executed properly. CCaR interfaces with various accounting systems and utilizes technologies such as Web Services and XML to extract the data from agency data warehouses. The system automatically compares the execution positions in CCaR with the position in the accounting system and flags out-of-balance records so they may be investigated and corrected. CCaR also provides reconciliation teams with a journal to track pending corrective actions on open documents and ULOs/NULOs.



Financial Managers no longer need to spend countless hours preparing briefing charts for budget reviews - CCaR can quickly generate Business Charts and export them to PowerPoint. Numerous reports and tools allow financial managers to perform detailed analysis of volumes of financial data and display, sort and filter the requirement, budget and execution data to provide informed recommendations to program managers. The CCaR interface with Excel makes it easy to take data and formulas from any report, and transfer it into Excel for further analysis. CCaR's privilege-based security roles and flexible business rules allow the system to integrate into any organization's existing management processes.



## CCaR Operational History

CCaR has been in successful operation since 1997, where it was initially deployed at the Space and Missiles System Center (SMC) at Los Angeles Air Force Base. Since that initial deployment several Air Force, Army, Navy and Department of Defense (DoD) organizations have utilized CCaR to manage over \$50 Billion in appropriated funding.

Some of the major DoD acquisition centers, programs and organizations utilizing CCaR include:

554th Electronic Systems Group (ELSG)	Electronics System Center (ESC) Detachment 5
754th Electronic Systems Group (ELSG)	Joint Improvised Explosive Device Defeat Organization (JIEDDO)
Aeronautical Systems Center (ASC)	Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD)
Air Armament Center (AAC)	Joint Science and Technology Office (JSTO)
Air Force Material Command (AFMC) Logistics (A4)/Depot Maintenance Systems Integration Branch (DM)	Joint Strike Fighter (JSF)
Air Force Operational Test and Evaluation Center (AFOTEC)	Oklahoma City Air Logistics Center (OC-ALC) 327th Aircraft Sustainment Wing (ACSW)
Air Force Research Laboratory (AFRL)	Ogden Air Logistics Center (OO-ALC) 508th Aerospace Sustainment Wing (ASW)
Airborne Laser (ABL)	Ogden Air Logistics Center (OO-ALC) 84th Combat Sustainment Wing (CSW)
Aeronautical Systems Center (ASC) 311th Human Systems Wing (HSW) at Brooks	Space and Missile Systems Center (SMC)
Cryptologic Systems Group (CPSG)	Space and Missile Systems Center (SMC) Detachment 11
Defense Threat Reduction Agency (DTRA)	Space and Missile Systems Center (SMC) Detachment 12
Edwards 412th Test Wing (TSW)	United States South Command (SOUTHCOM)
Edwards Air Base Wing (ABW)	United States Strategic Command (STRATCOM)
Electronics System Center (ESC)	WR-ALC 330th Aircraft Sustainment Wing (ACSW)

## CCaR in Detail

### **MULTI SERVICE/AGENCY SUPPORT**

Over the years, CCaR has been enhanced to operate in multiple environments across the Department of Defense and other Government Agencies. CCaR is currently used by Joint Programs Offices supported by the Air Force, Navy and Army, Air Force System Program Offices and the Defense Threat Reduction Agency (DTRA). The flexibility built into CCaR allows for a single Program and Financial management tool to be utilized across numerous government agencies.

### **BUDGET TRACKING**

The cornerstone of the CCaR system is its budget capability. CCaR allows organizations to create an infinite number of budgets covering an infinite number of fiscal years in order to track a program's appropriated budgets. A CCaR budget is defined by entering any combination of budget elements (e.g. Appropriation, Program Element Code, etc) which provides flexibility to an organization to manage budgets at the level that best suits their needs. CCaR tracks the budget approved (annual) and authorized (quarterly) amounts to completely document when the budget amounts changed. Tools such as the Budget Authority Editor and the Budget Ledger assist the organization in tracking the CCaR budget back to the official PPBE POM, BES and PB positions.

### **REQUIREMENT TRACKING**

Program requirements are tracked in the system by documenting the requirement in a CCaR Record. The CCaR Record documents the requirement's description, source (e.g. Operational Requirements Document (ORD), Program Management Directive (PMD), etc.), impact if not funded, cost estimate and other requirement information. The requirement's budget request is tracked by entering amounts on the CCaR Record by CCaR Budget(s) and FY(s). The requirement information along with the required budget requested is then coordinated through customizable CCaR workflows to allow management to review and approve program requirement changes.

### **AUTOMATED FUNDING STATUS**

CCaR instantaneously provides an organization with a budget funding status by utilizing the application's automated budgeting algorithm. CCaR requirements, based on priority, are balanced against available budget to provide instantaneous feedback of what requirements are funded, partially funded or unfunded. As budgets and requirement amounts change, CCaR always provides an organization with the most current and accurate funding status. CCaR also provides users with a POM tool that allows organizations to analyze the outcome of potential budget cuts or requirement increases.

### **FUNDING DOCUMENT GENERATION**

The ability to tie execution directly to the originating requirement provides organizations using CCaR with the complete requirements management picture. CCaR provides this by allowing commitment documents to be generated directly from the CCaR Record. The CCaR system even assists in completing any of the available funding documents by automatically filling in a number of document fields and providing drop-down list boxes for the remaining fields. Documents may be coordinated through customizable CCaR workflows or electronically transferred to automated purchase request systems like ABSS. Customizable CCaR business rules prevent users from over-committing at both the requirement and overall budget level, which helps to prevent Anti-Deficiency Act (ADA) violations.

### **EXECUTION FORECASTING**

The CCaR system makes the task of ensuring all approved budget efforts have a current and accurate execution forecast quick and painless. Forecasting is event-driven for commitments, obligations and expenditures. Each forecast event consists of an event title, planning, revised and baseline dates/amounts and an event description. CCaR can automatically spread budget across a forecast (i.e. monthly, quarterly, etc) and can update the spread to account for actual execution as needed. At the start of a fiscal year, a baseline forecast is established to document the organization's execution goals. As time passes, additions, slips and deletions may be made to the revised plans. CCaR ensures the forecasts are accurate by providing planning status indicators for all budget efforts. When the date of a forecasted event passes for a budget effort, CCaR automatically checks to determine if an actual obligation/expenditure has been posted. If no obligation/expenditure has posted or if the posting is for an amount less than the forecast, CCaR will flag the effort for a forecast update. Should an organization be behind in its forecasts, this feature will allow them to immediately determine the specific efforts causing the deficiency as well as the responsible project officer.

### **DFAS INTERFACE/ RECONCILIATION**

One of the key features of CCaR is its ability to maintain an organization's internal execution position and compare that position to the official DFAS accounting system's position. The DFAS position, including all underlying transactions, is automatically loaded daily into CCaR for the purposes of reconciling the CCaR

internal position to the DFAS position. Any discrepancies between the CCaR and DFAS positions are flagged so the analyst may quickly investigate and take action to correct the issue. CCaR currently interfaces with the General Accounting and Finance System (GAFS), Mechanization of Contract Administration Services (MOCAS), Standard Financial System (STANFINS), Standard Operation and Maintenance Army Research and Development System (SOMARDS), Centralized Accounting and Financial Resource Management System (CAFRMS), Standard Accounting and Reporting System (STARS) and Specialized Accounting and Finance Enterprise System (SAFES). CCaR also provides tools to manage DFAS Open Document Listing (ODL) quarterly reviews and provide a reconciliation journal to record actions taken to reconcile DFAS discrepancies.

#### **REPORTING CAPABILITY**

CCaR provides a large number of canned financial and program management reports. All reports may be sorted and filtered to the specific data requirements of the user. In addition, the system will export all major reports into a variety of other digital formats, including: RTF, HTML, DBF and formatted Excel. This allows users to manipulate data outside of the CCaR system or make it available to other program management applications.

#### **PROGRAM MANAGER TOOL**

The Program Manager Tool was added to CCaR to give program managers a single point of entry on high level tasks associated with their programs. A Program Description, WBS structure and Schedule are just a few of the features that may be tracked using this tool. This tool also provides an interface with the System Metric and Reporting Tool (SMART).

#### **DISTRIBUTED BUDGET**

Organizations often fund efforts placed on contract with other organizations. CCaR has an electronic feature that allows organizations to send funding via an electronic link to another organization using the CCaR Distributed Budget process. The funds are sent with basic accounting components and the sending user has the option of defining the entire accounting classification they wish the receiving organization to use. The execution data is retrieved automatically every night and brought into the sending organization to provide visibility as to how the receiving agency is executing the funds.

#### **BUSINESS CHARTS**

CCaR is able to generate a complete set of briefing charts on the programmatic and financial health of an organization - all in a matter of minutes. The charts may be displayed directly from the CCaR system or generated into MS Power Point format. The Power Point charts are saved in native format and are fully editable. The more popular business charts include:

1. Stoplight Charts: these charts display the obligation and expenditure execution status against OSD goals for both an internal position and the position reflected in the Defense Finance and Accounting System (DFAS).
2. Snake Charts: these charts graphically display baseline and revised goals, internal and DFAS actual execution, OSD goal, and Budget Authority for both obligations and expenditures.
3. Event Timeline Charts: these charts display the actual execution by month for individual budget efforts through the 'as of' date. The current revised forecast is displayed by month after the 'as of' date.

#### **CONTRACT MANAGEMENT**

One of the modules in the CCaR system allows for the tracking and reconciliation of baseline contracts. This comprehensive feature contains all Section B and Section G data for every contract modification issued. In addition, all vouchers issued against the contract can be tracked. All contract information is clearly displayed in a graphical format. Interfaces with contracting systems such as Conwrite, the Automated Contract Preparation System (ACPS) and the Standard Procure System (SPS) allow contract modifications to be electronically input from the source contracting system.

#### **EXECUTIVE CCAR**

Executive CCaR is an acquisition web dashboard designed to present combined program and financial information to senior decision makers to allow them to quickly determine the health of the programs they

oversee. Web services are used to combine and display authoritative data from both CCaR and SMART. CCaR provides data such as the program financial requirements, approved funding, financial forecasts, and financial execution, while SMART provides the organizational-based acquisition program list and program data such as the acquisition category, the program manager, and the program executive officer. Executive CCaR provides a consolidated view of CCaR data across all acquisition programs and utilizes the data from the systems the program offices already use.

Integrated Data Services is the sole software developer of the CCaR system, providing customers with fast, efficient and reliable information systems since 1997. IDS provides software development support and technical consulting support to government customers as well as a variety of commercial customers. Find out how CCaR can fill your business needs!

White paper available at:

<http://www.get-integrated.com/products/>

CCaR Customer contact available at:

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