

## Individuals Authorized Access to the CMS Computer Services (IACS)

CMS is undertaking the development of a large-scale IT modernization initiative to improve the quality and delivery of health care services to beneficiaries, providers and business partners encompassed in multiple Enterprise Data Centers (EDCs) using a Common Enterprise Infrastructure (CEI). A core element of the CEI is an enterprise-level security architecture that employs common security services. The Enterprise Identity and Access Management (EI&AM) framework was created to meet this goal. The new CMS EI&AM framework provides a single identity and associated authentication for each user. This single account, coupled with an enterprise Role Based Access Control (RBAC) capability, eliminates the need for multiple user accounts and reduces costs for user licenses and the maintenance of multiple accounts. Other enterprise security services, such as encryption, security and performance monitoring, also reduce the application costs for each business owner. The EI&AM framework controls both the issuance of electronic identities and the access to CMS applications. This service supports multiple levels of authorization and multiple factors of authentication.

In September 2005, Northrop Grumman was awarded the Enterprise Identity Management & Authentication Integration Services task. This included providing the Government with best practices documentation; performing gap analysis of the inherited implementation; performing a complete redesign of the existing system; collecting application integration requirements; performing system analysis and proposing the integration design; performing coding, unit and systems testing; and developing various user documentation including User Guides and Help Desk Scripts. In April 2006, Northrop Grumman was awarded IACS Operations and Maintenance task, under which we successfully integrated IACS with the following systems/applications: COB, PDE/RAPS, 270/271 UI and CMS Applications Portal. The following new functionalities have been introduced to the IACS framework: password self-service, IACS-MARx provisioning, email notifications, integration with the HPMS feed, provisioning to the Access Manager LDAP, password lockout, duplicate ID resolution, PRA language and expiration of pending approvals. In early 2007, CMS awarded the IACS program as a small business set-aside and awarded the contract to the small business vendor with which we have partnered. Northrop Grumman continues to be the lead in design, development, testing and delivery of the solution. During the past year, Northrop Grumman has developed the community solution to support a number of CMS user communities, providers, DMEPOS, FI/Carrier/MAC and has integrated a number of community applications with IACS including PECOS, PQRI, CARE, PS&R, DBidS, etc. We have also developed a number of ancillary applications in support of the IACS application including IPC Web Services, IPC Data Services, etc.

As a part of the complete redesign of the inherited solution, Northrop Grumman performed the following activities: upgrading Sun JAVA Identity Manager to version 6.0, redesigning and modularizing old workflows while removing hard-coded values from the XPRESS code, redesigning old user interface while addressing many Section 508 compliance issues, applying new CMS Web branding, and resolving MITRE Audit findings, while producing all the necessary documentation in accordance with CMMI Level 3. We are currently in the midst of supporting the upgrade of the various infrastructure and COTS products including upgrading the Sun JAVA Identity Manager to version 7.1 Update 1, upgrade of OS from Solaris 9 to Solaris 10, upgrading Sun JAVA Enterprise Server upgrade to 9.1, upgrade of Sun JDK to 6.x etc.