

# TECSEC

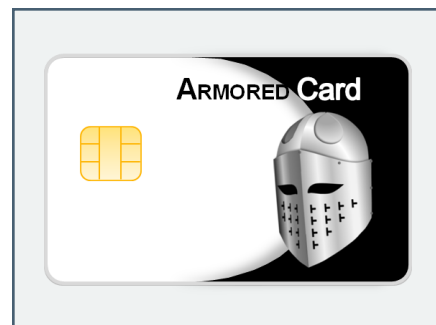
## CITIZEN'S BENEFIT CARD

PROVIDING THE TRANSITION FROM COMMUNICATION SECURITY TO INFORMATION SECURITY

States have recognized that the capability now exists to provide their citizens with an unprecedented level of security, privacy, service and benefits at significantly reduced costs. In order to provide these services and benefits in the most efficient manner, States have decided to issue a Citizen's Benefit Card (CBC) to each person in the State, at no charge to the individual.

This CBC will enable the State by doing the following:

- Positively identify her citizens in a uniform manner
- Leverage this identity across multiple State applications
  - Eliminating multiple forms and repeat filings
  - Improving accuracy of information in multiple data bases
  - Cross reference individual needs with available benefits
  - Support electronic updates and services remotely
- Reduce costs and unnecessary paperwork
- Prepare for State emergencies by proper distribution of materials and manpower based on an accurate understanding of the population.
- Register First Responders and their Skill Sets to assist in emergencies



The lynch pin in the solution offered is a TecSec secure, compartmented smartcard device that has been specifically designed to address these State objectives while meeting all Federal Standards relating to the project, to include FIPS 140-2 Level 3 card, FIPS 201 and GSA APL.

The CBC can be seen first as an identity mechanism and secondly as a federation device, supporting multiple applications and objectives. This solution is offered on a smartcard, in a SIM format for mobile telephones, and other platforms in support of the State enterprise.

Some of the issues addressed are:

1. The basic capability of the computer chip within the card. The offered solution exerts a very fast central processing unit, assisted by an additional cryptographic support processor to speed up the necessary mathematical computations associated with biometric match on card and mandated cryptographic functions.
2. The overall memory capacity of the CBC has been expanded well beyond the conventional solutions found elsewhere, to accommodate the multiple applications needed, and at the same time providing the security and data privacy controls necessary to protect the citizen.
3. The States have also recognized that while multiple application data will reside on the CBC, that data must remain under the control of the application, rather than becoming a common pool of information to be shared. This approach assures the citizen that the data in one application remains in that application and is not shared with anyone new. This is accomplished by the use of cryptography, consistent with standards published by the National Institute of Standards and Technology (NIST), the American National Standards Institute (ANSI) and the International Standards Organization (ISO).
4. The CBC is also designed to provide control of the data stored on the card, to prevent access to that data by no one other than the data owner. This includes technology in both the hardware and software to assure data separation and protection, as well as protection from physical and technological attacks.
5. The offered approach provides a true, multi application, multi owner platform - enforced by cryptography.