

JASTGAR eVOTE, LLC - Company Overview



Citizen or Voter
Biometric Smart ID Card
To Verify a Person's Identity



"One Person – One Vote"
& Eliminates Fraud
and Corruption

"Specializing in Biometric National ID Smart Cards and Electronic Voting Systems".

Utilizing advanced Technology and Industry Best Practices to eliminate Fraud, Corruption, and Data Tampering.

Providing Data Integrity, Encryption, and Access Controls with Audit Management for Investigations and Trending Analysis.

A Distributed and Immutable platform for streamlining and optimizing government and business operations, while protecting people.

Created by:

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Alex St-Gardien Jecrois
President & CEO



Tom Bronack
EVP & CTO

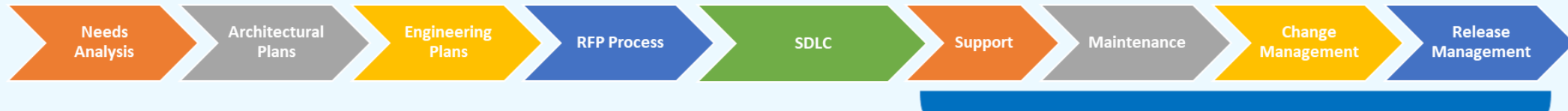
eCARD - Registration System

- **Requirements Definition**
 - **Number of people to be registered**
 - Citizens, or Voters
 - Duration of Registration Period
 - Topography of Registrants
 - Domestic and International
 - **Type of Card**
 - Biometric Chip (PIV, PIV-I, DPC, UUID)
 - Uses for Card (Government and Business) and Entitlements
 - **Card Access Requirements** (Physical Locations and/or Logical Assets)
 - **Card Stock** format and number
 - **Equipment** Requirements
 - **Registration Sites** and Operations
 - **Staffing**, Training, and Documentation
- **Systems Development Life Cycle**
- **System Operations, Support and Maintenance**
- **Backup, Archive, Recovery**

eVOTE - Electronic Voting System

- *eCARD* used to identify Voters (**One Person**)
- *eVETTING* used to insure Voter meets voting requirements and can be included in Eligible Voter's List
- **Electronic Pool Books** (EPB) generated from Filtered Report by Voting Stations and provided to Station Staff so that they can track who has voted at their station
- **Voter Identification verified** via Biometric Live Scan at Voting Station (**One Person** verified)
- Individual's **voting record is validated** against Registration Data Base to insure they have not previously voted in this election (eliminate Corruption and guaranty **One Vote**)
- **Voting Booth** Voter Communications via Touch Screen to select Language, Help, Ballot entry selections, Verification of selections, and Submission
- **Picture taken** when vote is submitted and receipt is provided to voter (printed, emailed, or text message)
- **Audit Trail** tracks voter activity from entry to Voting Station through Vote Submission
- **Election Activity Archived** for future analysis

Nine phase project based on Client's Requirements Definition, resulting in a fully defined, designed, staffed, developed, tested, accepted into production, supported, maintained, and enhanced, with a stringent Change and Release Management process.



Needs Analysis:

- Physical Investigation
- Location Analysis
- Infrastructure
- Population
- Voting Stations
- Voting Booths
- Voting Machines
- Network
- Security (Physical and Data)

Architectural Plan:

- Number of Locations
- Network
- Resources
- Requirements
- Infrastructure
- Utilities
- Personnel
- Voting Locations
- Local and International
- Special Considerations

Engineering Design:

- Design Specifications
- Resource Requirements
- Coding Parameters
- Inter-connections
- Resource Requirements
- Skills Matrix
- Product Needs
- Vendors who could help with products or services

RFP Process:

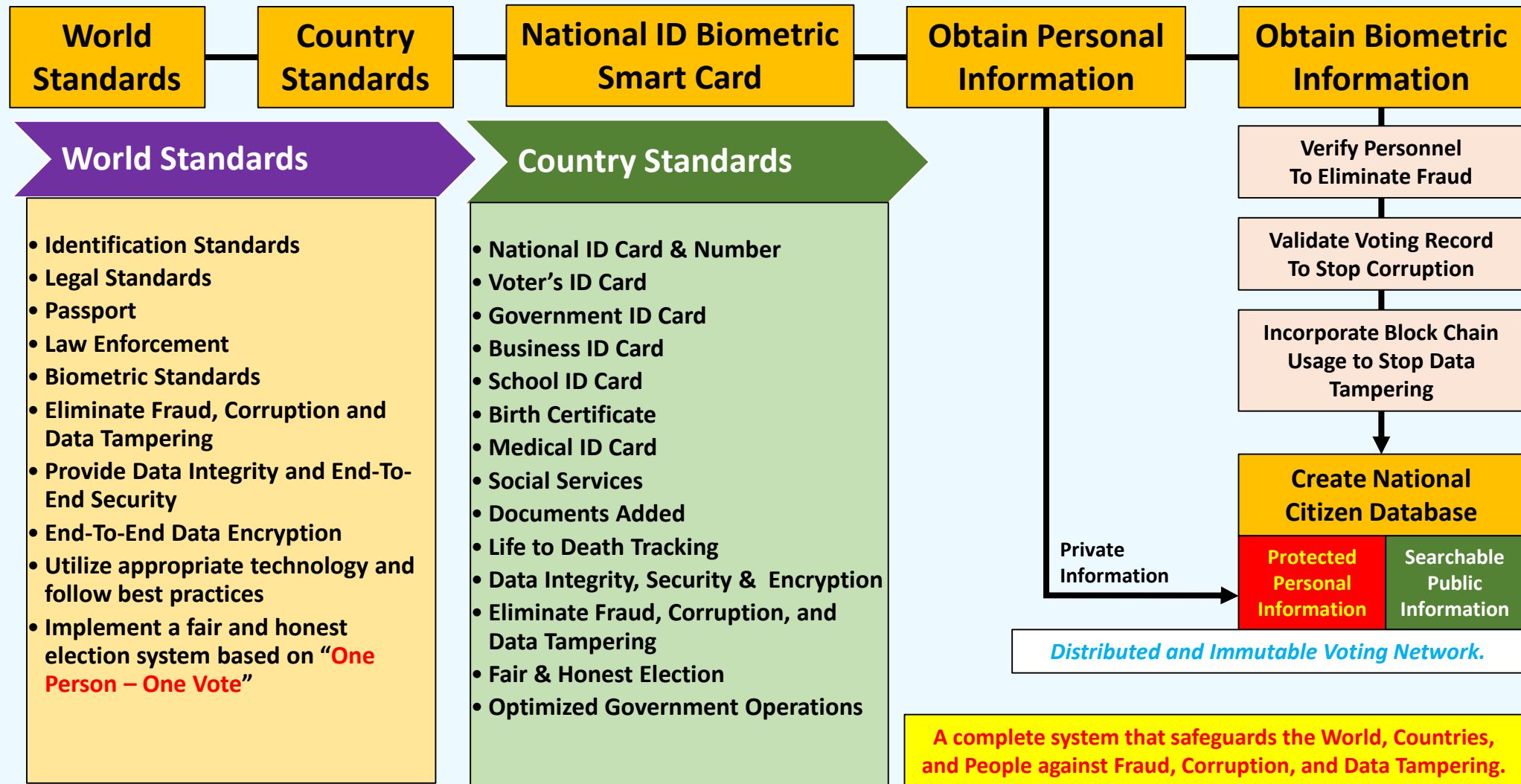
- RFP Creation
- Vendor Identification
- Vendors selected to receive RFP
- RFP Delivered to selected vendors
- Vendors complete RFP and return it to us
- We select vendors best qualified to help with products and services
- Team formulates and gets up to speed on exactly what we plan to do and how
- Everyone knows their part

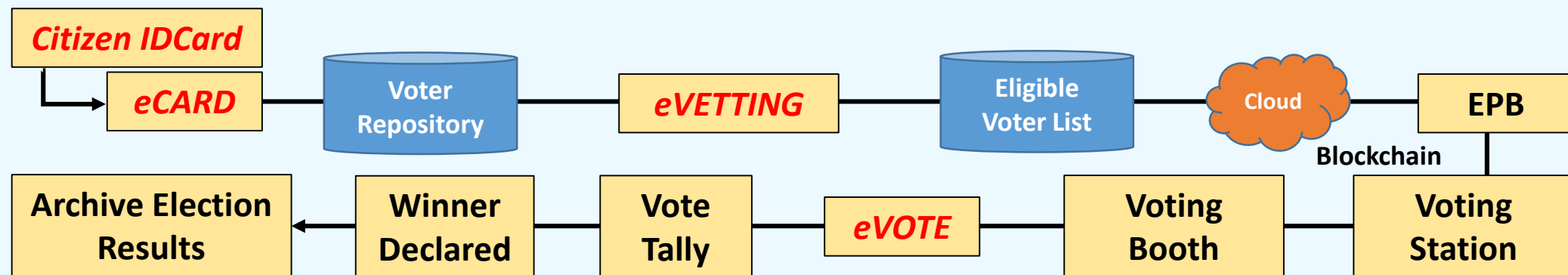
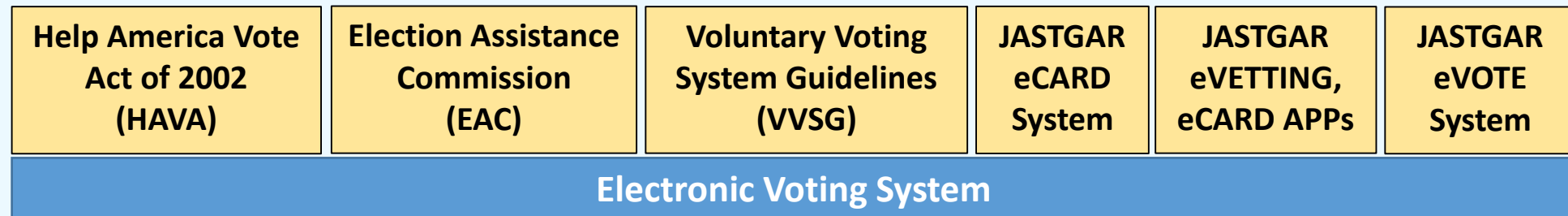
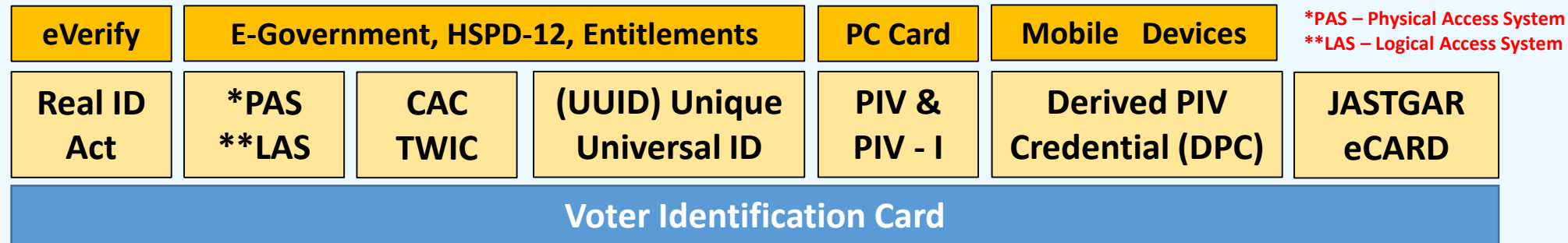
SDLC:

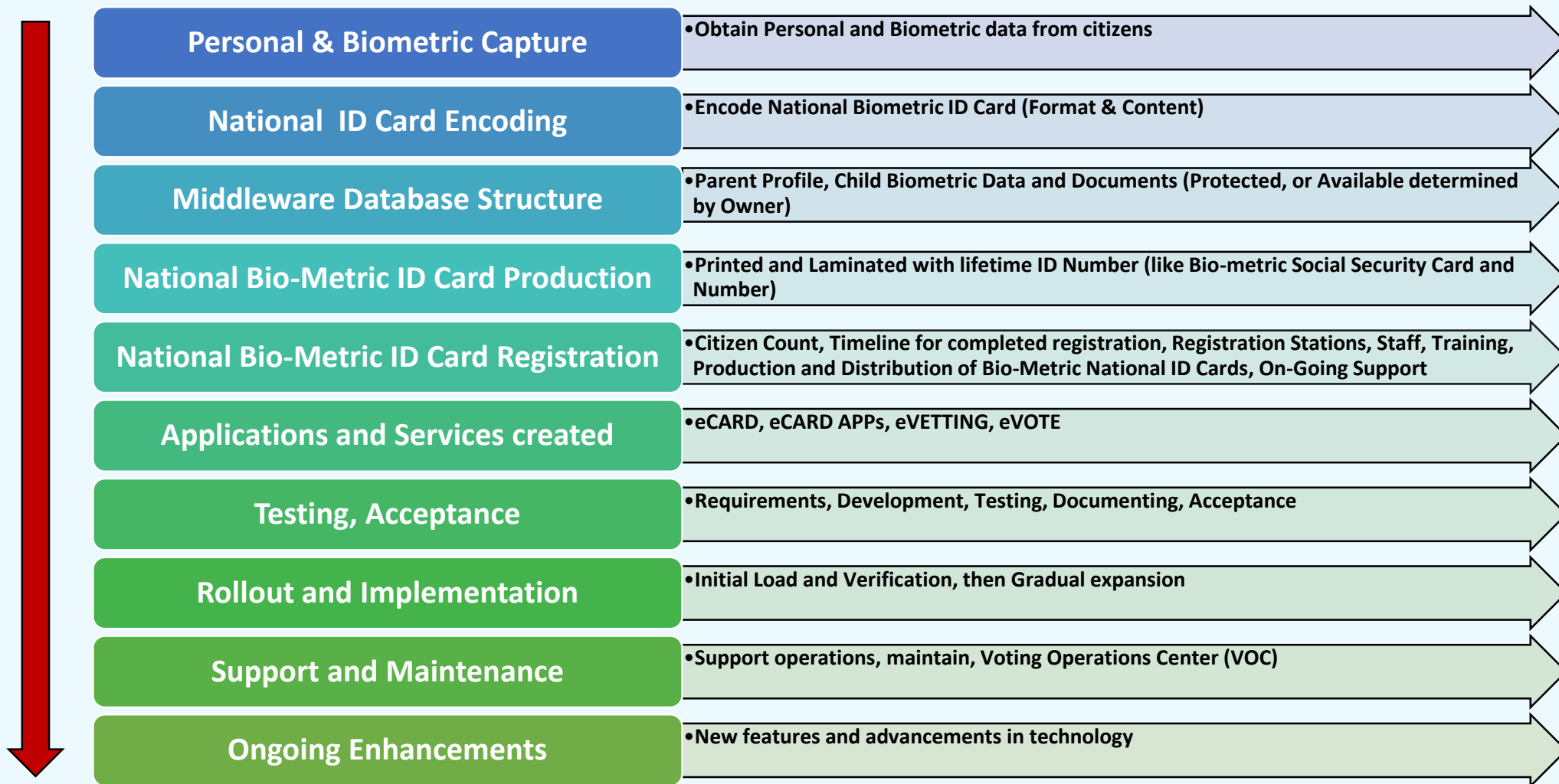
- Development (**eCARD, eCARD APPs, eVETTING, eVOTE, eMEDICAL**)
- Testing
- Documentation
- Training
- Release Package
- Acceptance
- Transition
- Production Operations

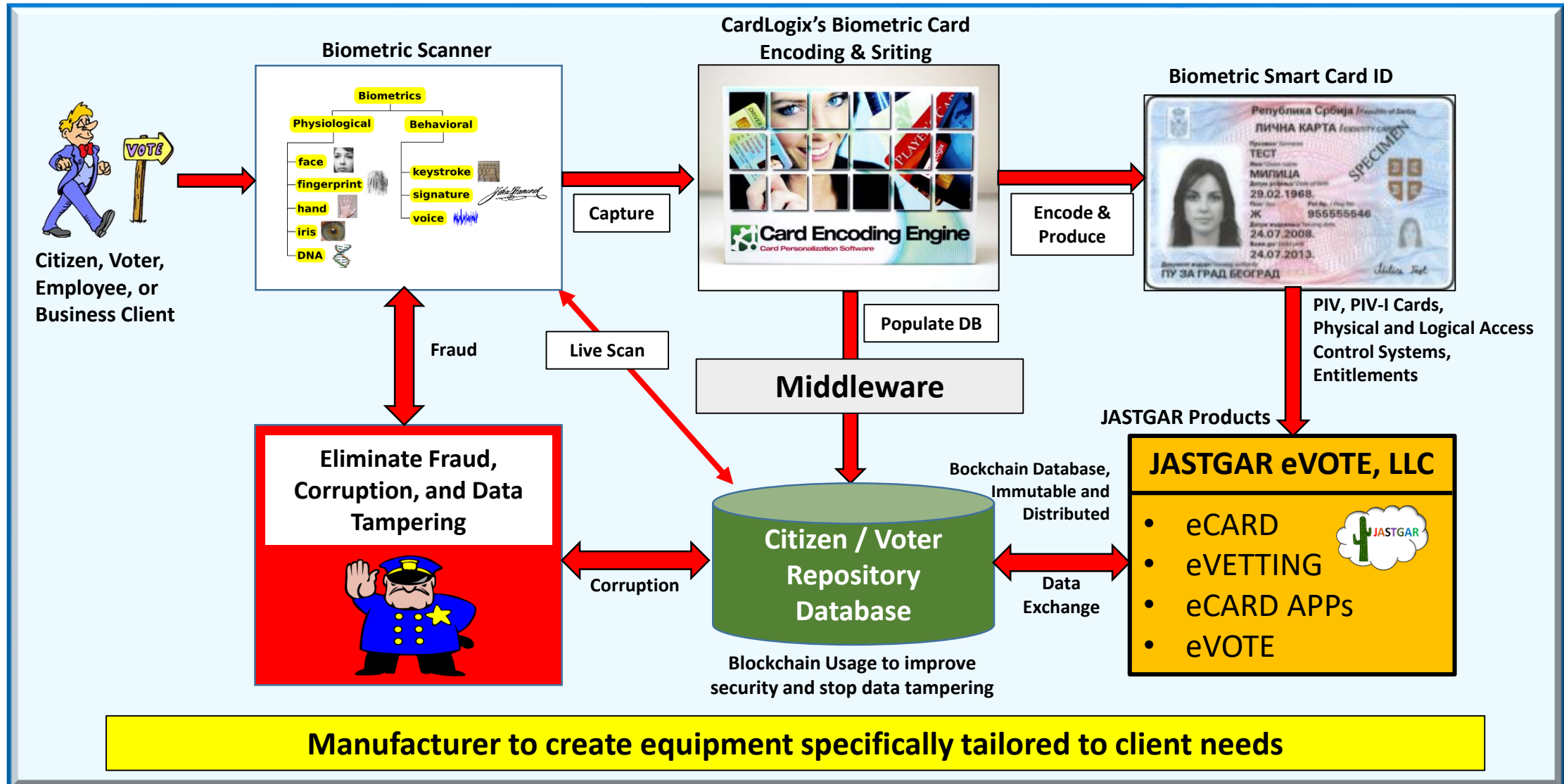
Support, Maintain, Update, and Manage:

- Support Services will be provided
- Problem / Incident Management
- New Requirements and Enhancements
- Help Desk and Support Services procedures
- Problem Acceptance, Root Cause Analysis
- Mitigation Plans
- Mitigation Implementation
- Change Management
- Configuration Control Board
- Change Acceptance and Implementation
- Hot Fix or Change to be included in next Release
- Version and Release Management
- On-Going review of new Requirements, Features, and Enhancements to improve operation and efficiency









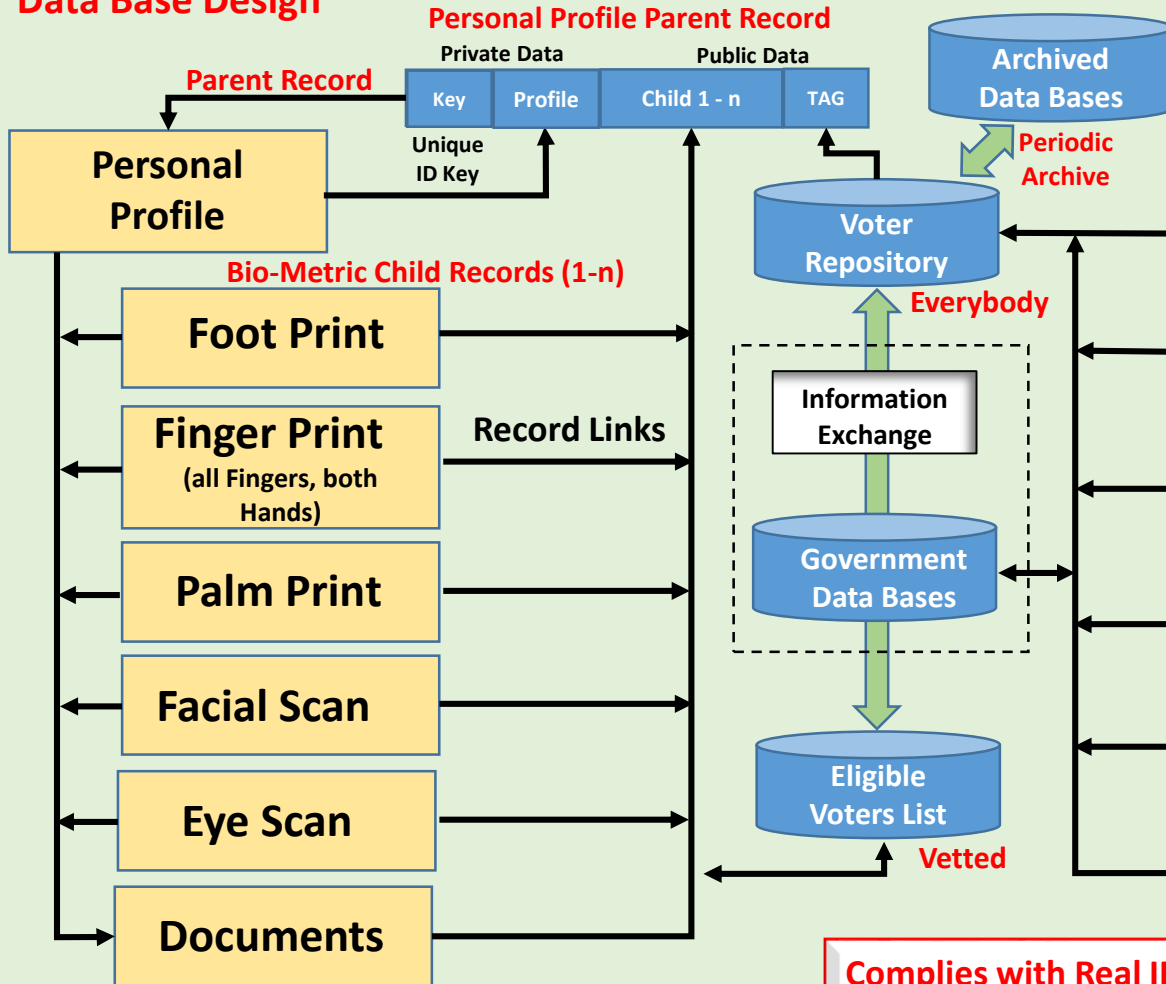
A Child's **Foot Print and DNA** are taken at Birth at the Hospital and a Birth Certificate created. The data is connected to the Baby's personal data base record. A “Protected Parent Profile Record (PPPR)” is created and a Unique Key is assigned to this personal information so it cannot be viewed without legal permission. A National ID Number is provided as well (like SS Number).

As life progresses, people receive Licenses and Certificates until they die. All of these stages of life are recorded as Child Records attached to the Parent Record. The child records can be searched with authorized permission, but legal permission is required to view the Parent Record. A Child is added to the Eligible Voter List at legal age.

This record structure will protect the individual's right to privacy and verify their identify.

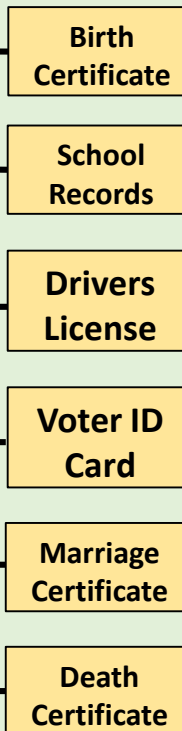
Integrating with Government and Business Data Bases will enhance efficiency of operations and the quality of information.

Data Base Design

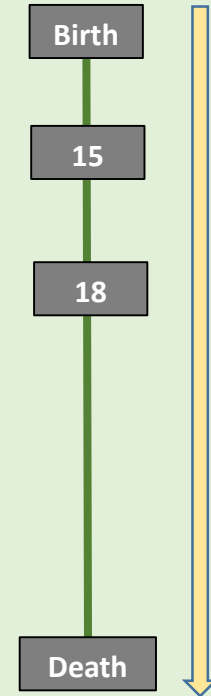


Vetting Process

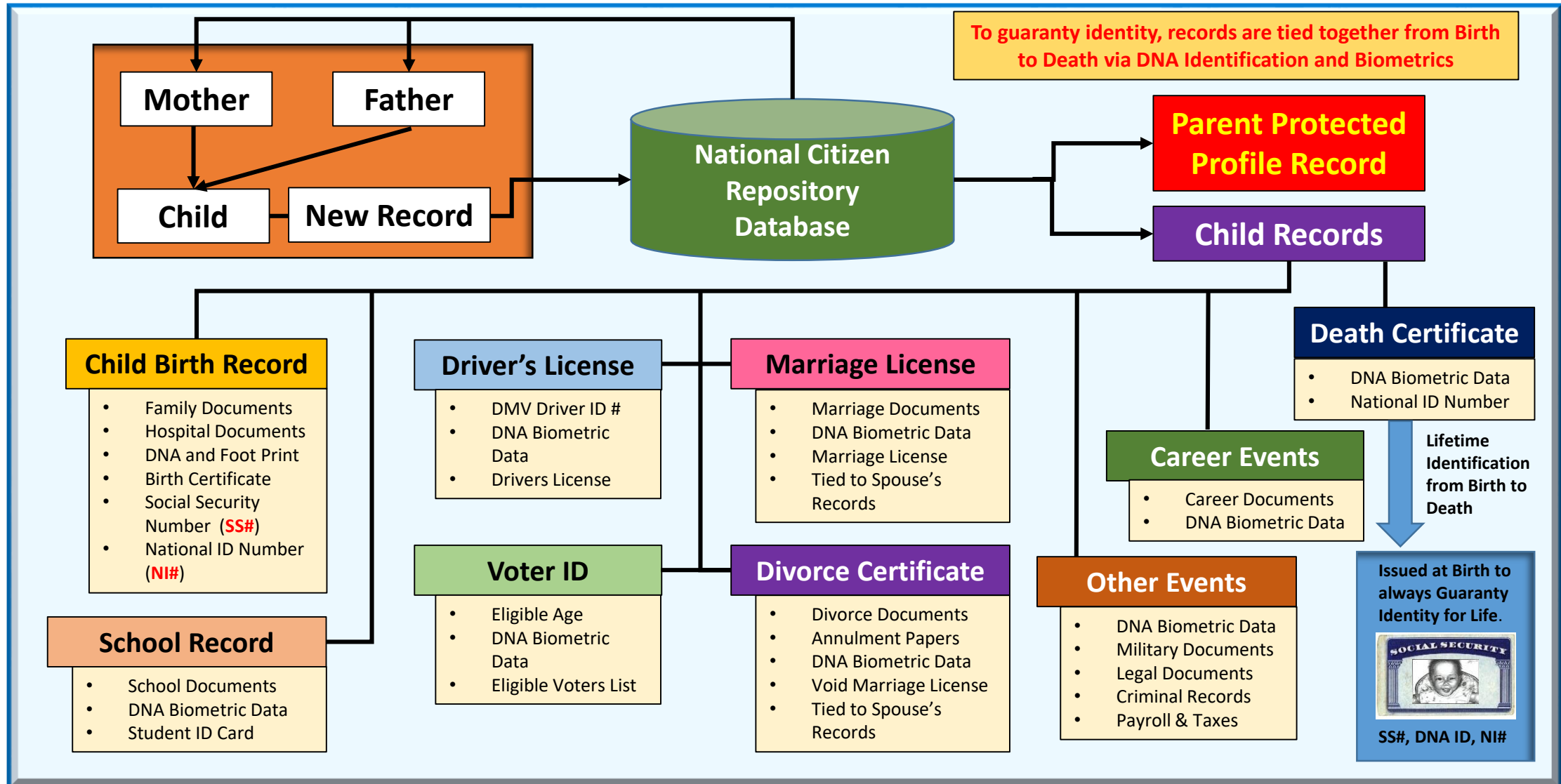
Stages of Life



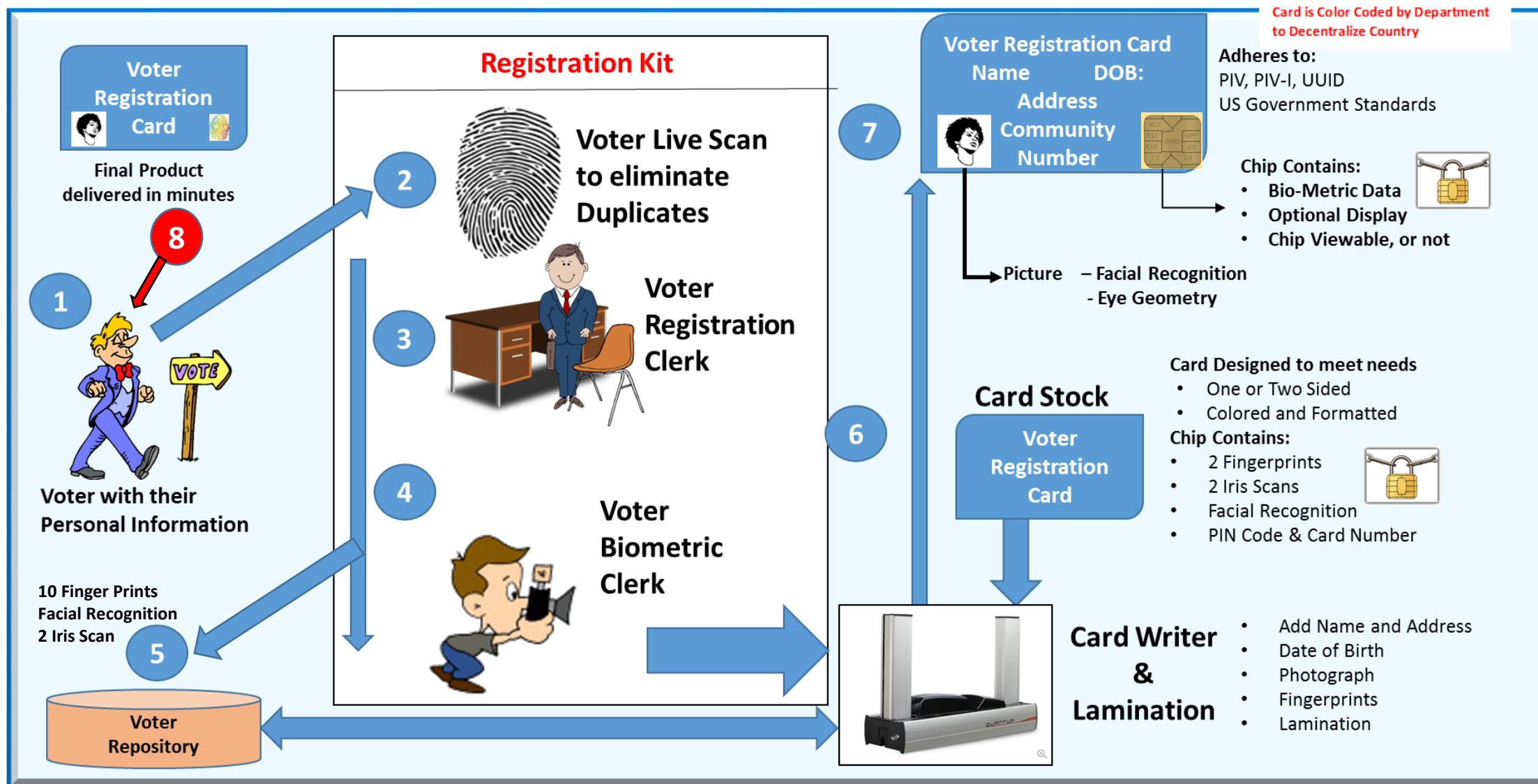
Life Line



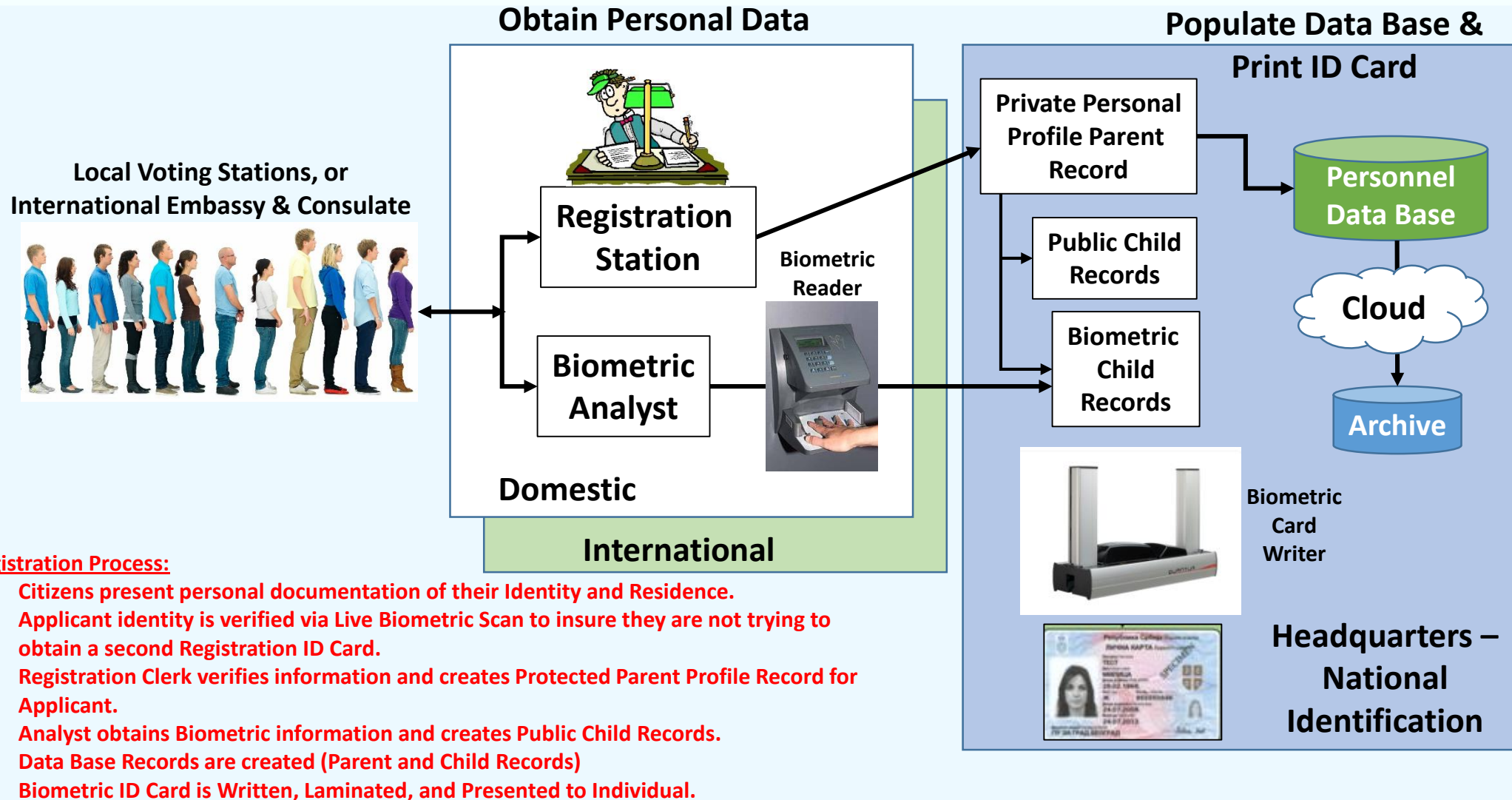
Complies with Real ID Act and HSPD-12 (PIV / PIV-I)

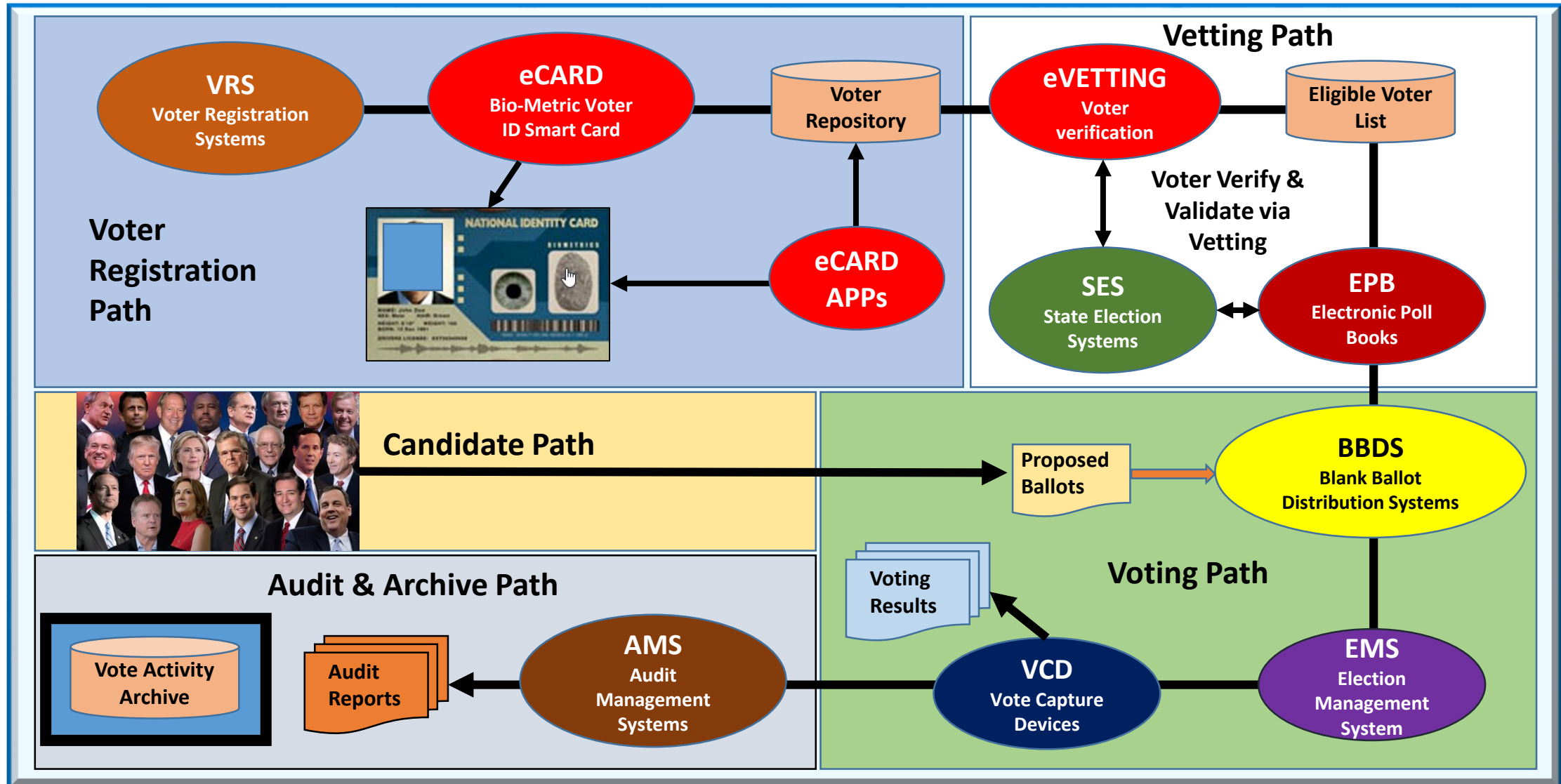


JASTGAR eVOTE System – Registration Process



JASTGAR eVOTE System – Citizen Registration





The JASTGAR *eVOTE* System includes the components listed below.

This system is compatible with the US government Personal Identification Verification (PIV) standard to guaranty a person's identity and the IEEE / 1662 Voluntary Voting System Guidelines, which are widely accepted to easily expand election voting from a single location to multiple sites.

eCARD

- **Bio-Metric Voter ID Smart Card** used to verify the voter's identity and validate that the voter has not already voted.

eCARD APPs

- **Mobile Application** to allow voter to maintain their profile record and gain pertinent information (via mobile, or PC).

eVETTING

- **Used to validate a voter's background** to gain access to Eligible Voters List is SES guidelines are met.

SES

– **State Election Systems, or equivalent in a country/region,** rules governing voting and eligibility

VRS

- **Voter Registration System based on Individual's Bio-Metric data,** everybody gets Voter ID

BBDS

– **Blank Ballot Distribution System,** so that all ballots match standard fields with header and format added as needed

EPB

– **Electronic Poll Books,** used to match voter to voting station and track their activity during this election

EMS

– **Election Management System,** to perform all vote processing activities for election types (Primary, Caucus, General)

VCD

– **Vote Capture Devices** to insure compatibility of vote capturing equipment for all districts and interoperability

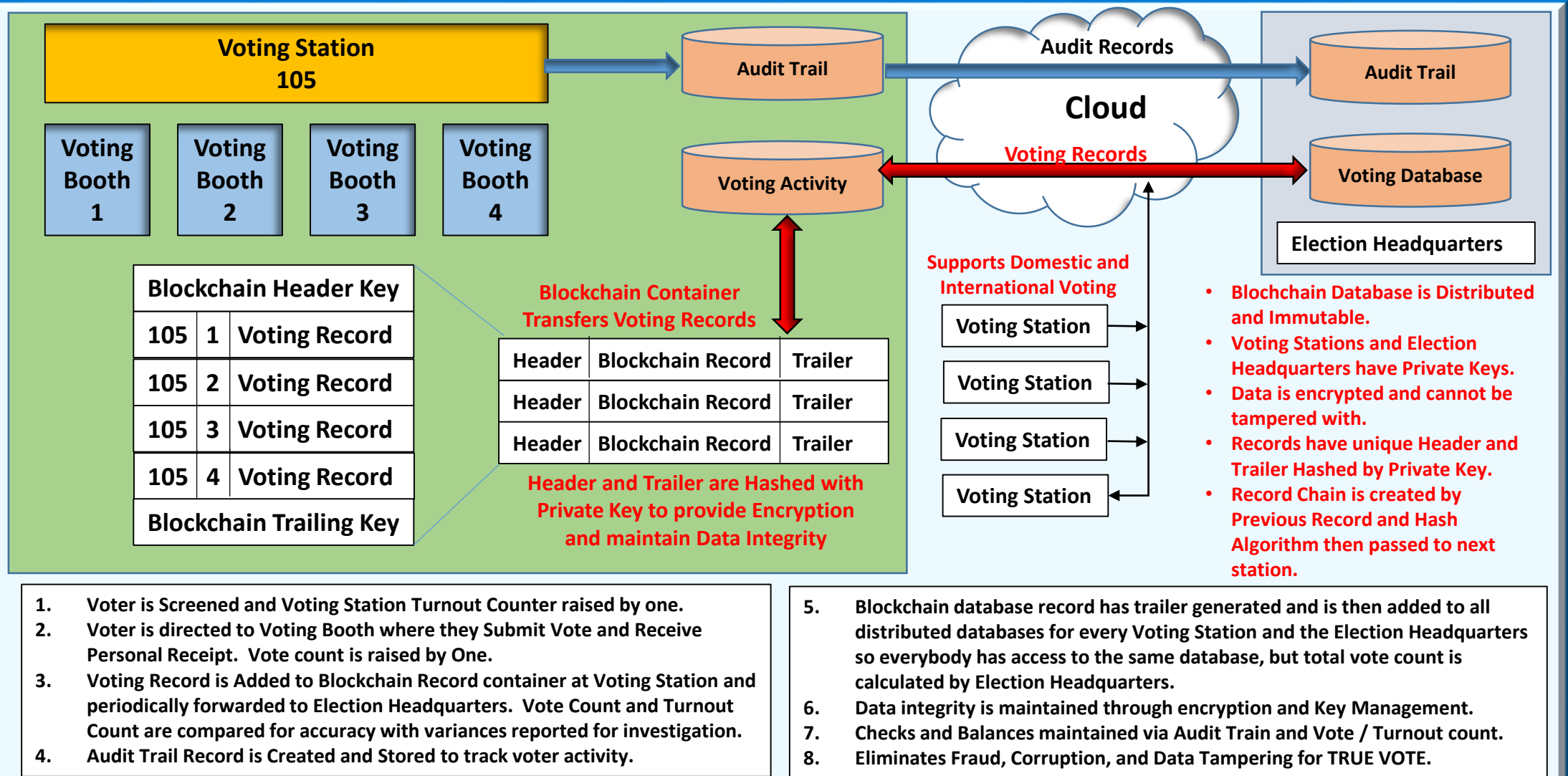
CDF

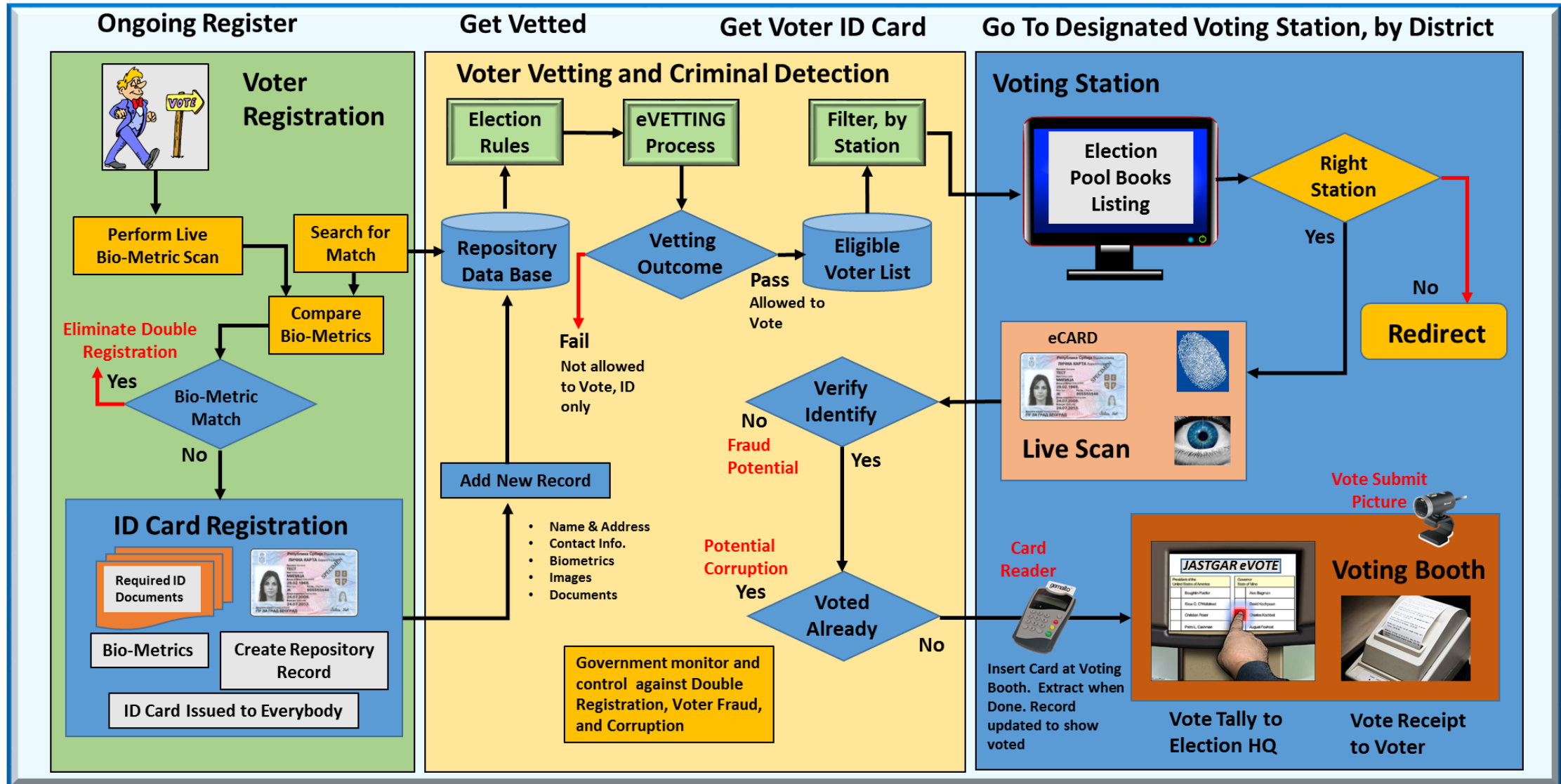
- **Common Data Format** to insure voting data compatibility and transparency

AMS

– **Audit Management Systems,** to track voting, detect crimes and analyze activity, provide documentation as needed

JASTGAR eVOTE System – Blockchain and Audit Trail



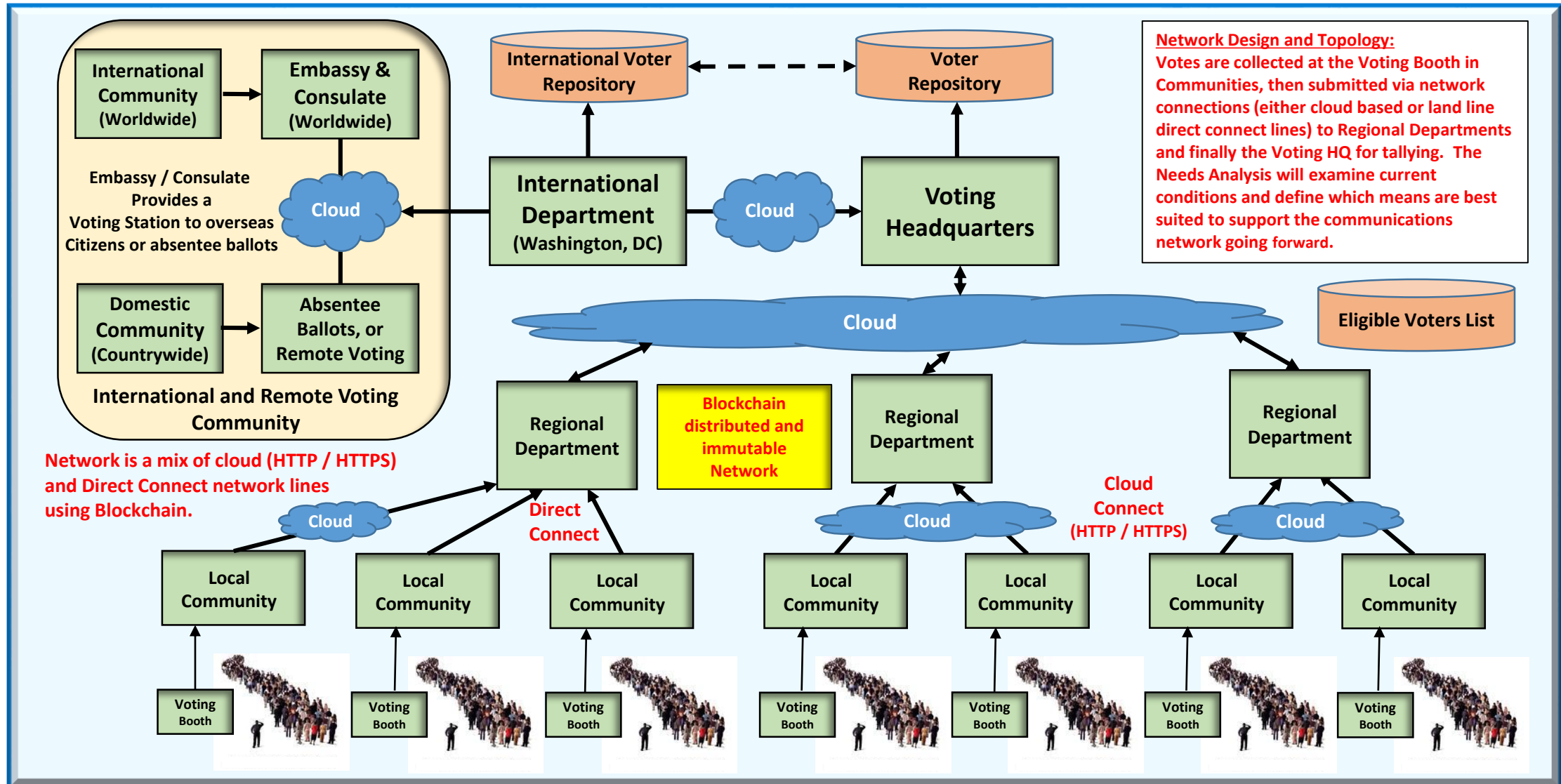


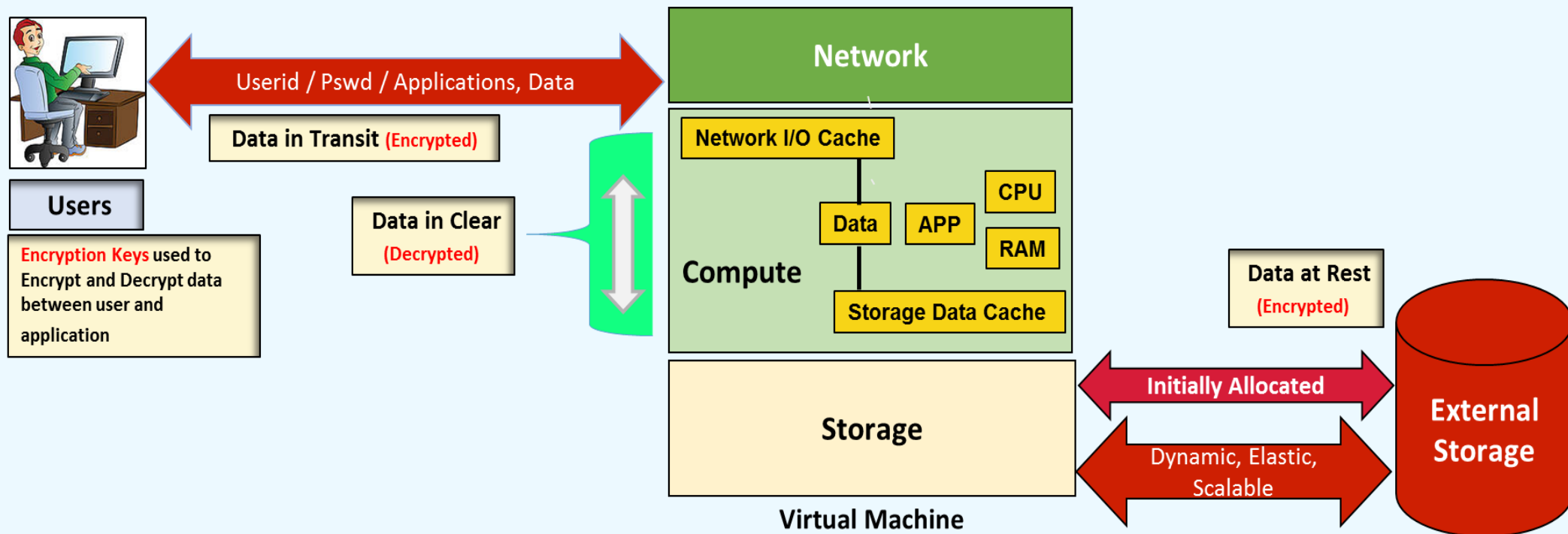
Audit Management System records track an individual's activity from when they receive their user identity number through the Bio-Metric ID Smart Card (Voter / Citizen / Social Security, etc.) Registration process, to when they use the card for casting their vote in elections.

Process can be expanded to include the use of a Social Security Card or other identification vehicle for either physical or logical access to resources.

Electronic Voting System Audit Management System Records			
Audit ID:	Type:	Protected (Y/N):	Description:
0	Individual ID Number Generated as Key Record	Y	A specific number that is unique to individual and used to track stages
1	Citizen Bio-Metric National ID Registration Started	N	Registration Location and Clerk Identified, along with Citizen
2	Required Information Varified and Validated	N	State Information Used to Verify and Validate Citizen Status
3	Protected Personal Profile Parent Record Created	Y	Citizen Name and Contact Information, along with other protected information
4	Protected Child Record Created	Y	Authorized clearance required to view records and process
4.1	Bio-Metric (Database)	Y	Authorized clearance required to view records and process
4.2	Bio-Metric (Smart Card Chip)	Y	Authorized clearance required to view records and process
4.3	Bio-Metric (Protected)	Y	Authorized clearance required to view records and process
4.4	Document (Protected)	Y	Authorized clearance required to view records and process
4.5	Searchable Child Record Created	N	System Access Required via Logon and Password
4.6	Bio-Metric (Not Protected)	N	System Access Required via Logon and Password
4.7	Document (Not Protected)	N	System Access Required via Logon and Password
5	Personal Identity Verified through Review	N	Documents used to verify and validate Personal Identity (Form Completion)
5.1	Individual Vetted to Verify and validate	Y	Sources used to Vet and Forms Completed
5.2	Social Security Card	Y	Authorized clearance required to view records and process
5.3	Birth Certificate	Y	Authorized clearance required to view records and process
5.4	Picture Identification	Y	Authorized clearance required to view records and process
5.5	Motor Vehicle Driver's License	Y	Authorized clearance required to view records and process
6	Bio-Metric Capture Completed Successfully	Y	Authorized clearance required to view records and process
7	Bio-Metric Smart Card Format and Contents Defined		National Citizens ID, Voter ID, Social Security Card, etc.
8	Bio-Metric ID Smart Card Encoded		
9	Bio-Metric ID Smart Card Laminated		
10	Bio-Metric ID Smart Card Delivered		
11	Middleware Generated Database Records Generated		
12	Citizen Repository Database Created and Populated		
13	Citizen Vetted	Y	Repositories used to Vet individual, Successful or Not
14	Citizen Entered onto Eligible Voters List	Y	Successfully vetted to Election Commission Standards
15	Citizen Enters Voting Station		
16	Citizen Performs a "Live Scan" to verify identity		Rejected if failed and detained for questioning regarding Fraud
17	Citizen Record Database Look-up to Validate voting record for election		Rejected if failed and detained for questioning regarding Corruption
18	Citizen Voting Record is marked as Turned Out for Election		Turnout flag activated
19	Citizen is Directed to a Secific Voting Booth		
20	Citizen Swaps Voter ID to Register at booth and start voting process		
21	Citizen selects: Language, Help, Ballot Selections, Review, and Submit		Tracked via Audit Management System
22	Citizen Submits Vote and Receives Voter Receipt		Consists of Picture, Time Stap, Selections, and can be printed, text message or email
23	Citizen Database Record is marked as voted in this election		Eliminates double voting
24	Citizen Vote is transmitted through Polling Station to Election HQ		Blockchain technology eliminates data tampering after vote is submitted
25	Vote Tally is successfully advanced with Citizen Vote Selection		
26	Vote Tally is updated in near real-time for authorized display		
27	Election Results are determined via vote tally		
28	Results of election are displayed to citizens in near real-time		

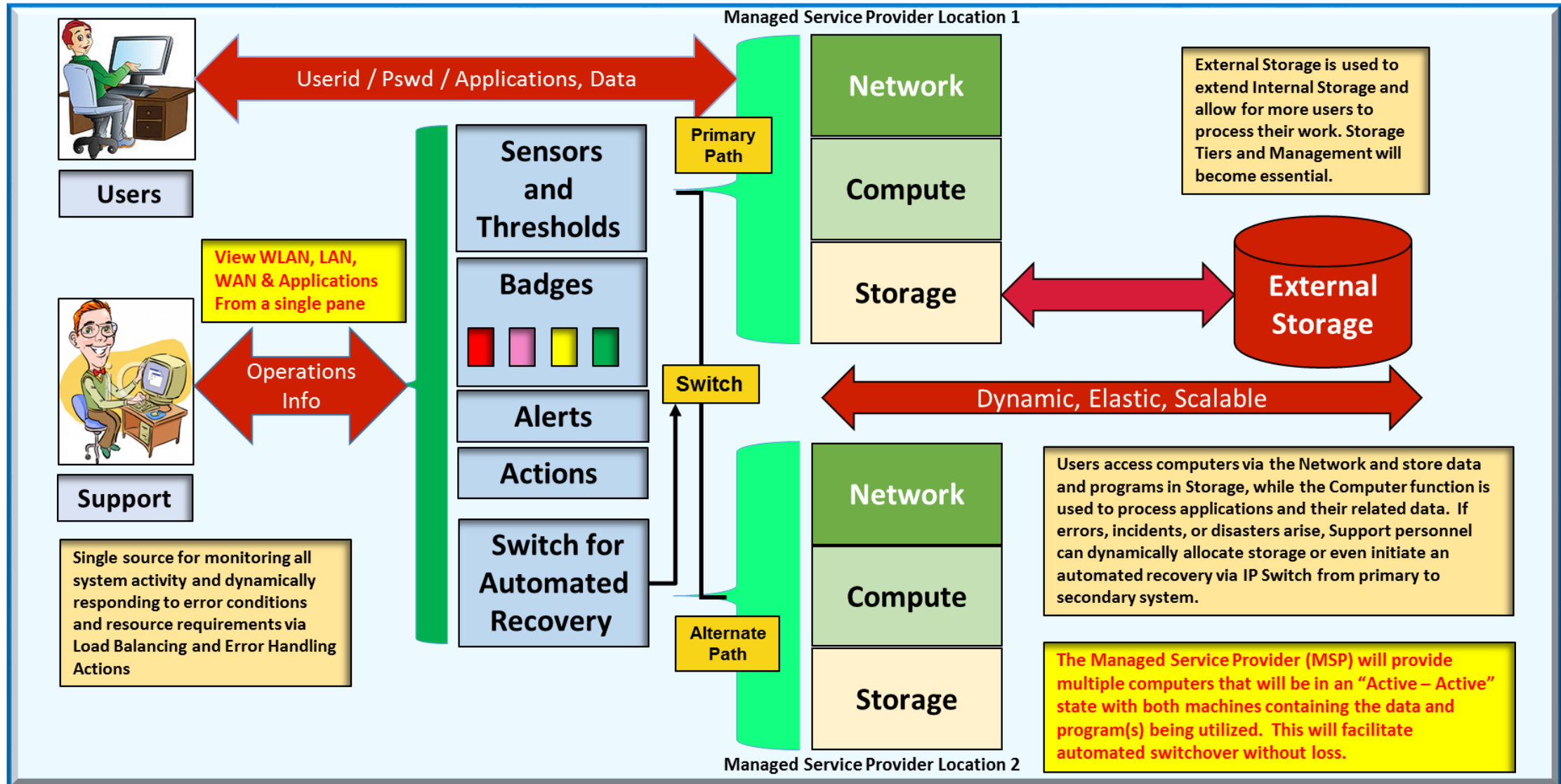
JASTGAR eVOTE System – Network Design with Blockchain



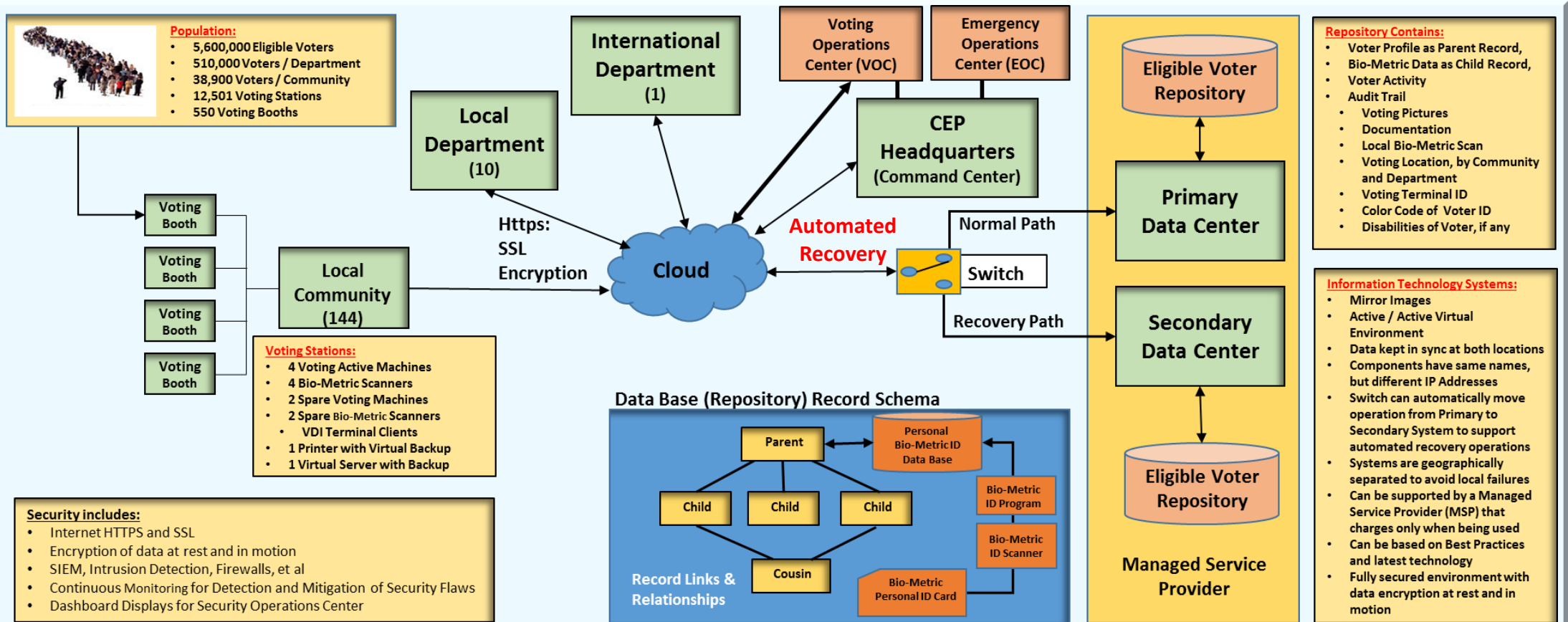


Encryption is used to scramble data into an unreadable format based on unique **Encryption Keys** provided to each User. It is Decrypted when the User accesses the Data from its "**Data at Rest**" location for use in RAM Memory ("**Data in Clear**") for processing instructions (Storage Keys protect the data during this process). When transmitted ("**Data in Transit**") it is Encrypted again so that any unauthorized access of the data would be meaningless. Encryption is performed in the hardware so latency is minimal. The use of Encryption will eliminate many of the security violations presently in the news today and will result in a better company reputation and the elimination of Identity Theft occurrences.

JASTGAR eVOTE System – Load Balancing and Error Handling

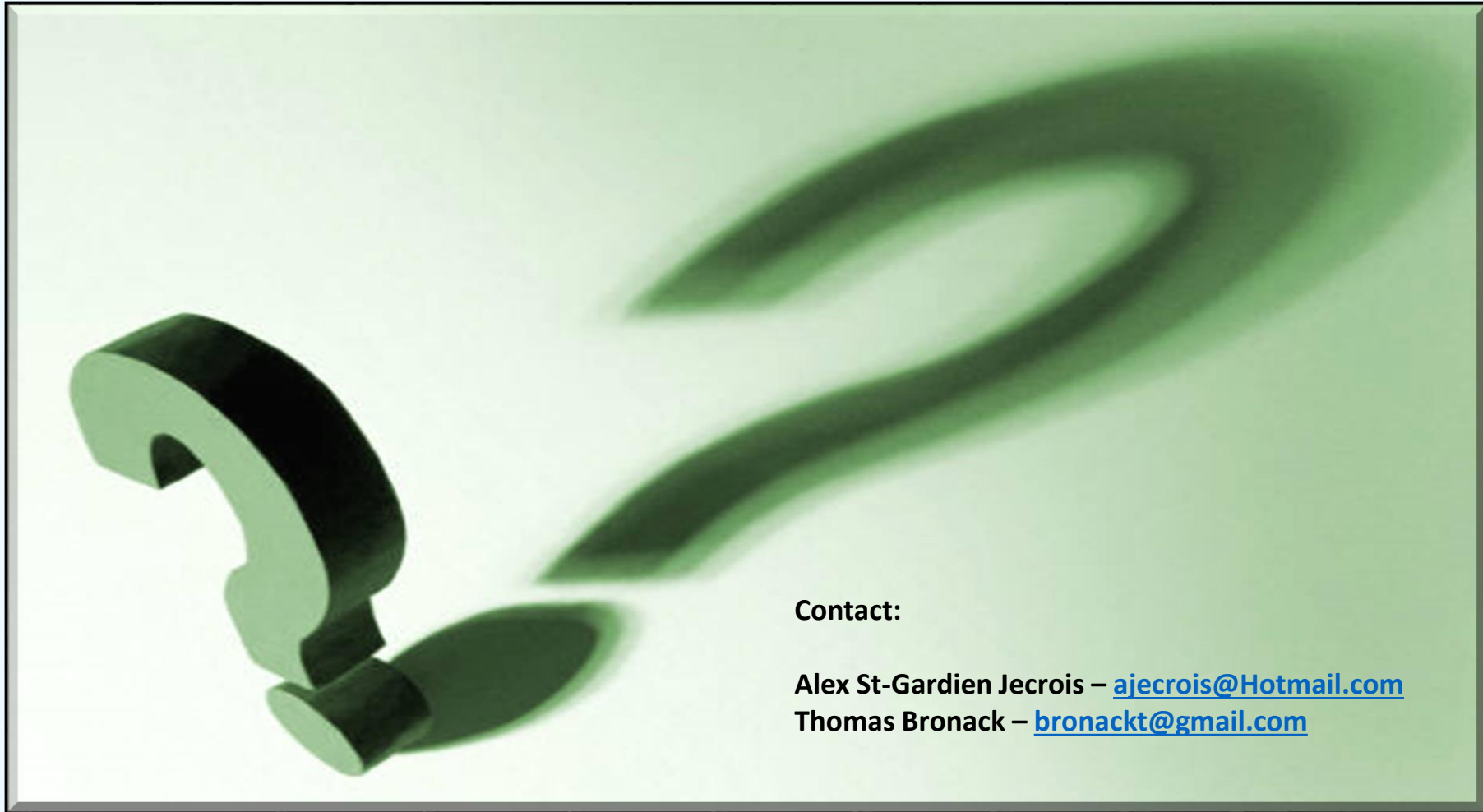


JASTGAR eVOTE System – Protecting the Voting Environment



	Departments:			Communities:		Voting Stations:		Voting Booths and Voters:				Equipment:			
Eligible Voters:	Local:	International:	Voters / Department:	Communities:	Voters / Community:	Voting Stations:	Voters / Voting Station:	Voters / Station:	Voters / Machine:	Voters / Hour:	Voters / Minute:	Voting Machines:	Printers / Station:	Virtual Server:	Managed Service Provider
5,600,000	10	1	509,091	144	38,889	12,501	448	550	465	58	1	864	1	1	2 Systems

QUESTIONS



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