

JASTGAR eVOTE System Overview



Based on:

“One Person – One Vote”



“An electronic voting system to assist governments in identifying voters and their vote submissions via electronic technology.”

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Founders:

JASTGAR family of products includes the **eVOTE** Electronic Voting System that is based on “One Person – One Vote” and is capable of eliminating Voter Fraud and Corruption.

The system will enhance the life style of Citizens and raise the esteem of the Government in the eyes of the world.

The system is paperless, easy-to-use, capable of producing **voting results in near real-time**, and is based on the “Best Practices” included in the latest technology. By implementing this system, you will have a State-of-the-Art application that will sustain voting operations for years to come with minimal additional costs.

JASTGAR eVOTE System – Overview



JASTGAR has designed and “**Patented**” the **eVOTE** electronic voting system, which will guaranty an efficient, accurate, auditable, and legal voting process that insures a person only votes once per election with results produced and distributed in near real-time. Its features include:

- “**One Person – One Vote**” to guaranty honest elections and capture Voter Fraud and Corruption;
 - **Utilizes Bio-Metrics** to scan Finger Prints, Palm Prints, Eye Scan, and/or Facial Recognition,
 - “**Smart Card**” stores bio-metric data for comparison and support of “**Real ID Act**” of 2004,
 - **Locally Verifies Voter identity** at Voting Station,
 - **Remotely Validates** that the Voter has not voted at another location,
 - **Insures** Voter has the “**Right-to-Vote**” by checking Eligible Voters databases.
 - **Every Citizen** received Voter ID Smart Card and their record is stored in **Voter Repository** Data Base, but only **vett**ed citizens are placed on the **Eligible Voters List**.
- **Fully electronic** to eliminate Paper Ballots and reduce potential frauds by ballot irregularities;
- **Provides** near real-time voting tallies and periodic Voting Station Reports to synchronize tally with voting headquarters;
- **Accommodates** people with a disability and provides screen displays in the language of choice;
- **Supports** remote locations lacking proper **electric and communications** abilities;
- **Project Plan** includes:
 - Needs Analysis, RFP Generation to selected vendors, Vendor evaluation and selection, system development, testing, acceptance, implementation, support, and maintenance,
 - Staff selection and training of local personnel.
 - **Citizen awareness programs** and orientation to improve citizen / voter technology education.

Bio-Metric authentication techniques include: fingerprints; DNA; face, hand, retina, and facial features, and voice analysis.

Real ID Act of 2004 – Title II, H.R. 1268 – Emergency Supplemental Appropriations Act for Defense, The Global War on Terror, and Tsunami Relief, 2005 (Enrolled as Agreed to or Passed by Both House and Senate.

Defines requirements for a Real ID Card that can be used to verify a person is who they claim to be.

JASTGAR eVOTE System - Overview – “Functions and Features”



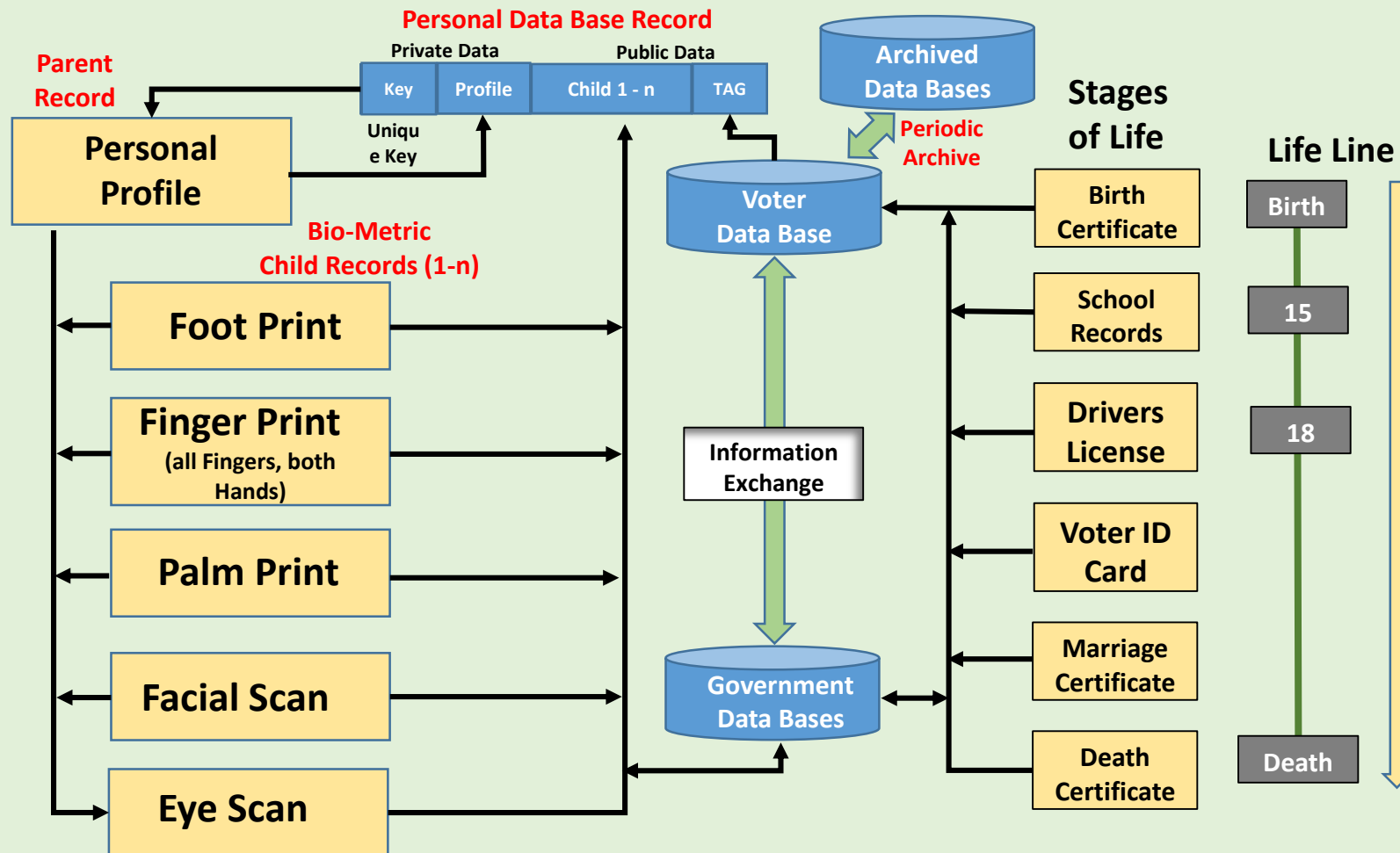
One Person – One Vote	Fully Electronic	Audit Trail
<ul style="list-style-type: none"> • Bio-Metric Voter ID Smart Card to verify person’s identity (One Person) • Voting Posted and Validated to eliminate multiple voting (One Vote) • All Citizens receive Voter ID Card and inclusion in the Voter Repository • Vetted Citizens are added to Eligible Voters List • Ballot development and posting is a one time event and easy to accomplish • Fraud and Corruption detected on the spot • Guard can detain violators for questioning and possible arrest 	<ul style="list-style-type: none"> • Voter verified locally and their voting record validated remotely to eliminate Fraud and Corruption • Paperless and Easy-To-Use • Supports people with disabilities • Touch Sensitive Screen for ballot presentation and candidate / issue selection • Protected Parent Personal Profile Record • Searchable Child Bio-Metric Records to support law enforcement, but access to Parent Record requires legal authorization so voter identity is protected 	<ul style="list-style-type: none"> • Complete End-To-End Audit Trail • Creates “Trail of Evidence” that can be used to detect and document crimes and violations • Documentation can support legal prosecution of offenders • Audit Checkpoints accumulated during election in real-time mode • Voter receives Receipt and Voting Station generates periodic Batch Balancing Reports to validate results • Archived to investigate / analyze voting irregularities or potential crimes

JASTGAR eVOTE System - “Unique Universal ID Card for Life”

When a Child is born, they have their Foot Print taken at the Hospital and a Birth Certificate – both of which are connected to their personal data base record. A “Profile Record” is created and a Unique Key assigned to this personal information so it cannot be viewed without legal permission.

As life progresses, people receive Licenses and Certificates until they die. All of these stages of life are recorded as Child Records which can be searched by the Public. A Tag is used to indicate the person’s stage of life, until they die.

This record structure will protect the individual’s right to privacy and prove their identify.



JASTGAR eVOTE System – Voter Registration

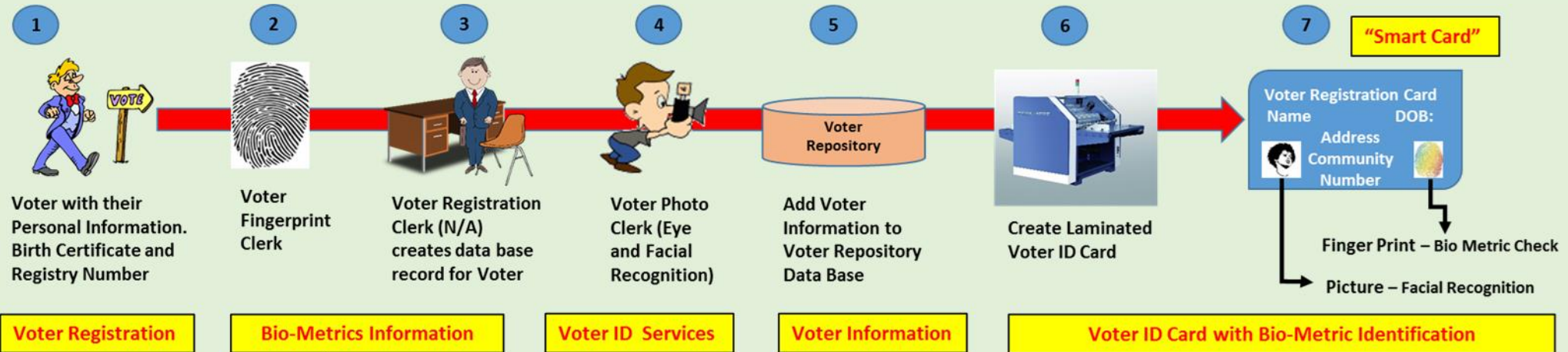
Voter Registration
Data

Capture Bio-
Metric Data

Create Voter
ID Card

Vet Citizen
for Eligibility

Voter
Eligibility
List

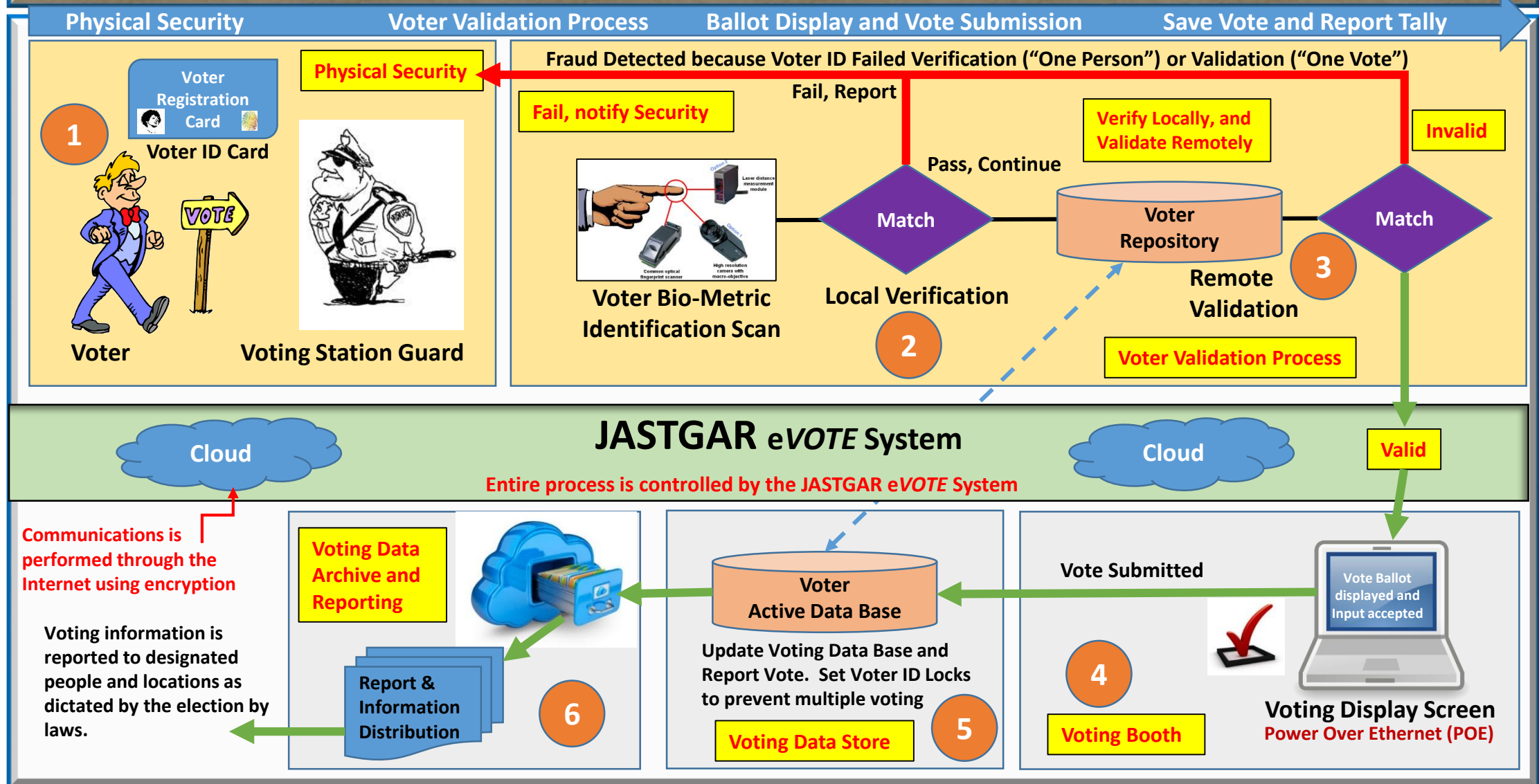


Physical Security

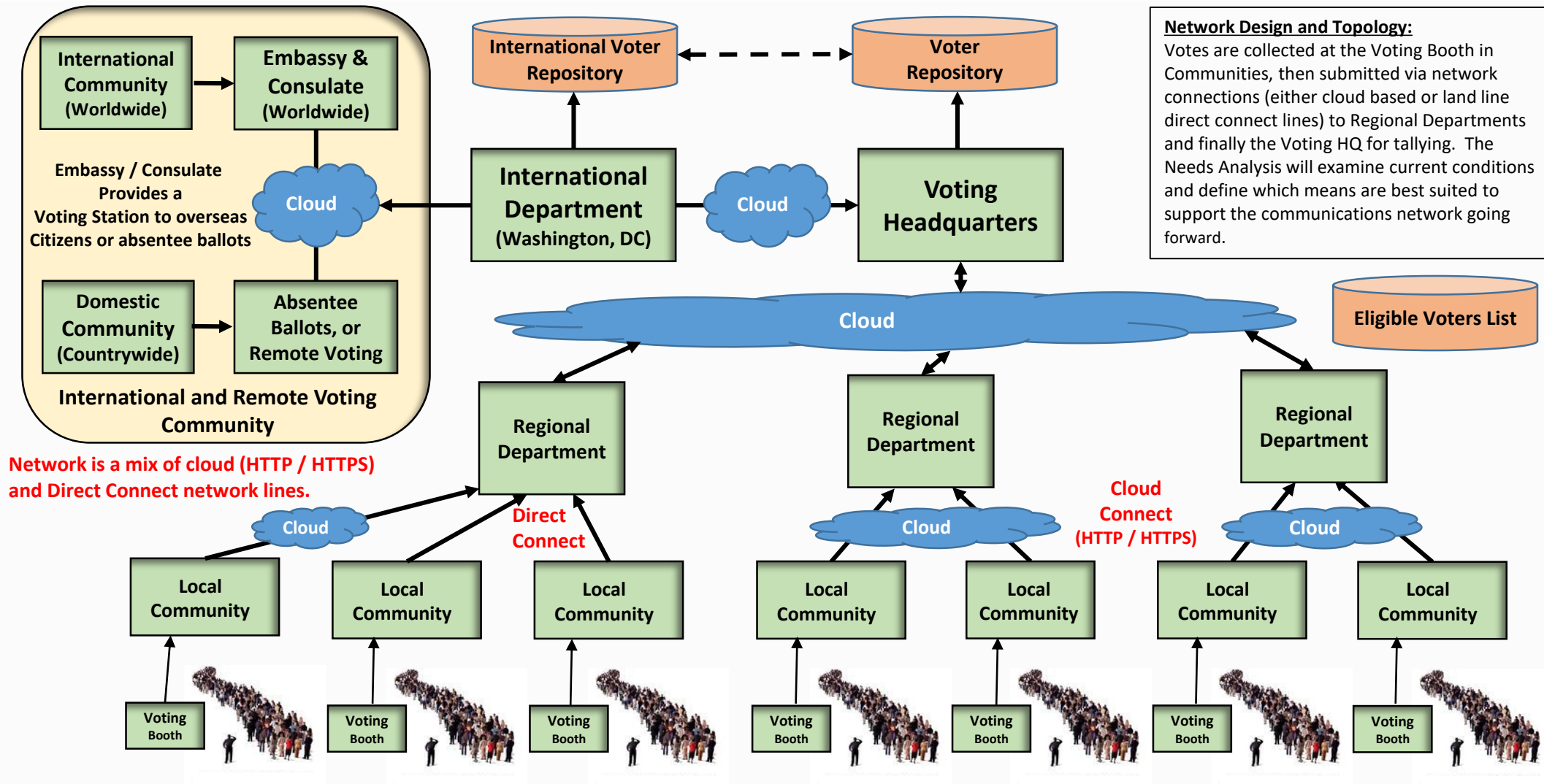
To eliminate any chance of Voter ID Cards being created fraudulently, we are first taking a **live** finger print and picture of the applicant to compare against existing prints / facial scans to guaranty a second Voter ID is not being created. With these precautions it will not be possible to create or print a Voter ID card.

This Nine-Step process is used to identify Voters and create a Voter ID Card with associated Voter Repository Data Base Record in support of the Electronic Voting System and its ability to guaranty "One Person, One Vote", while protecting against Fraud and Corruption in near real-time.

Electronic Voting Process - eVOTE System Flow



JASTGAR eVOTE System – Network Design





**Ground Station with
Antennae**

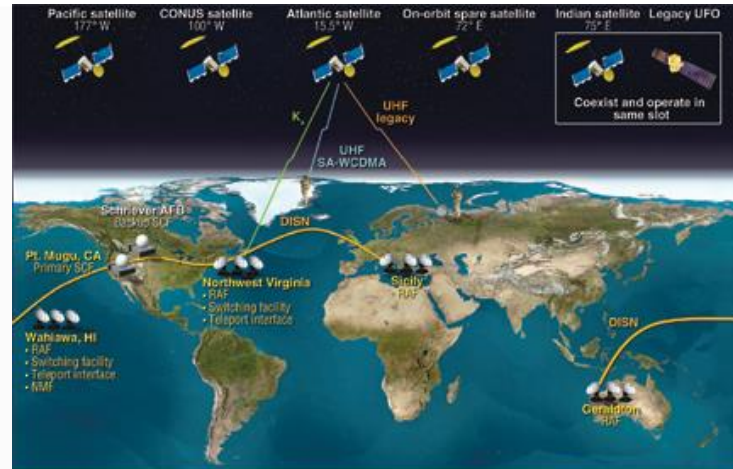
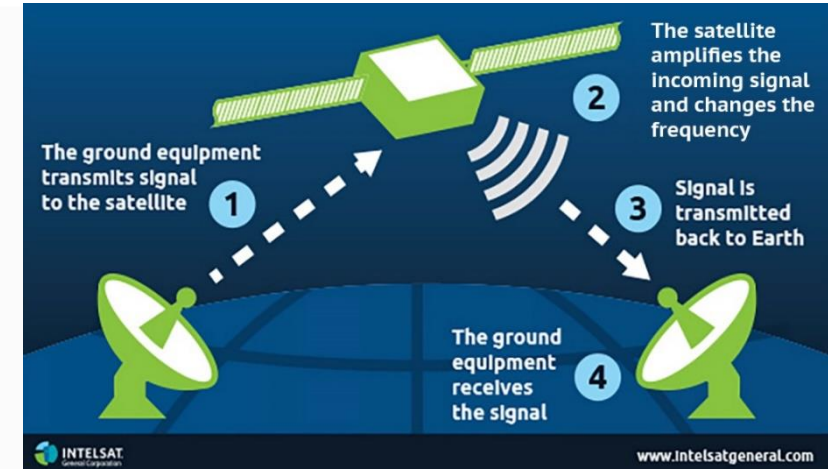


Figure 1. MUOS system architecture. CONUS, continental United States.

World-Wide communications capability

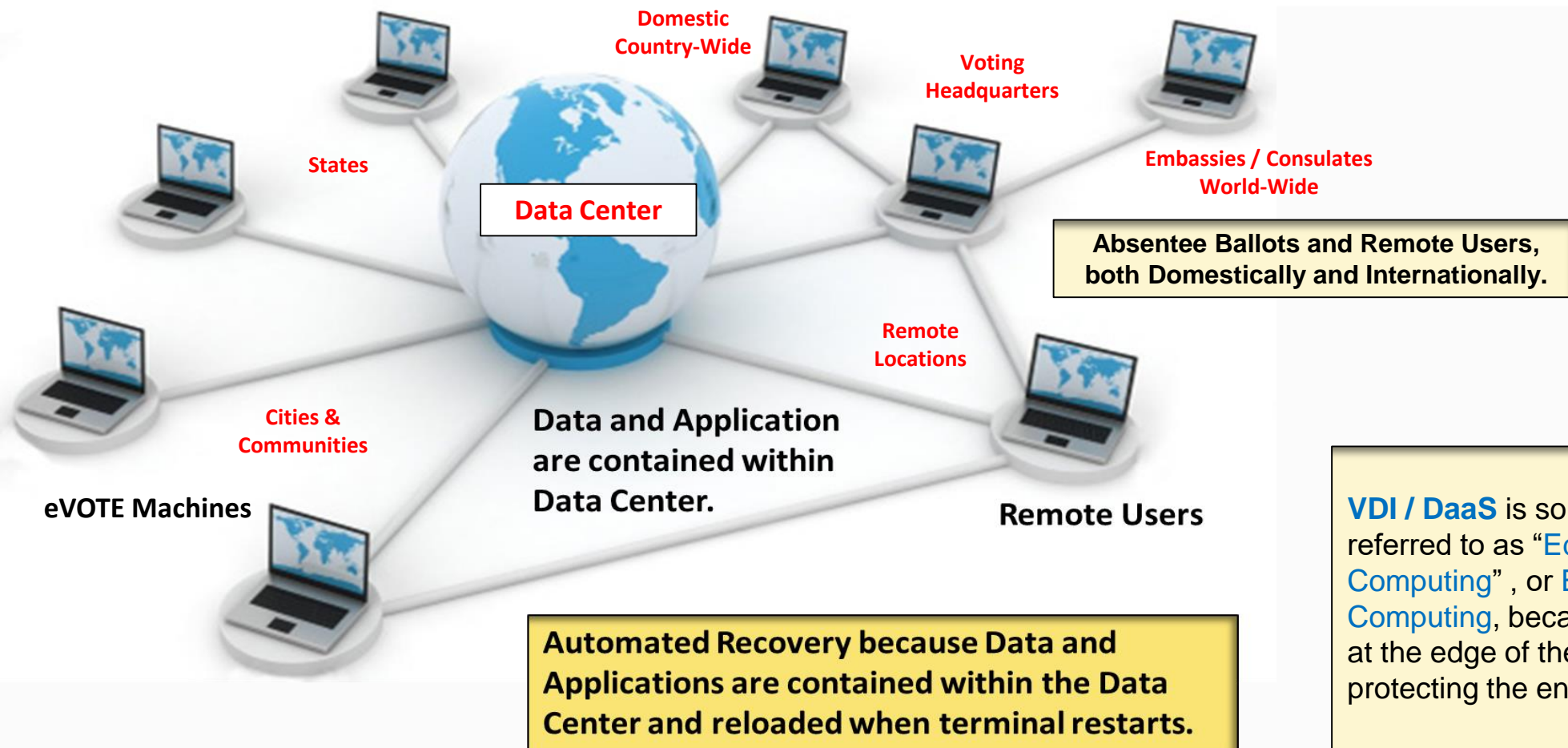


How mobile satellite communications works

Utilizing Mobile Communications with the JASTGAR eVOTE electronic voting system

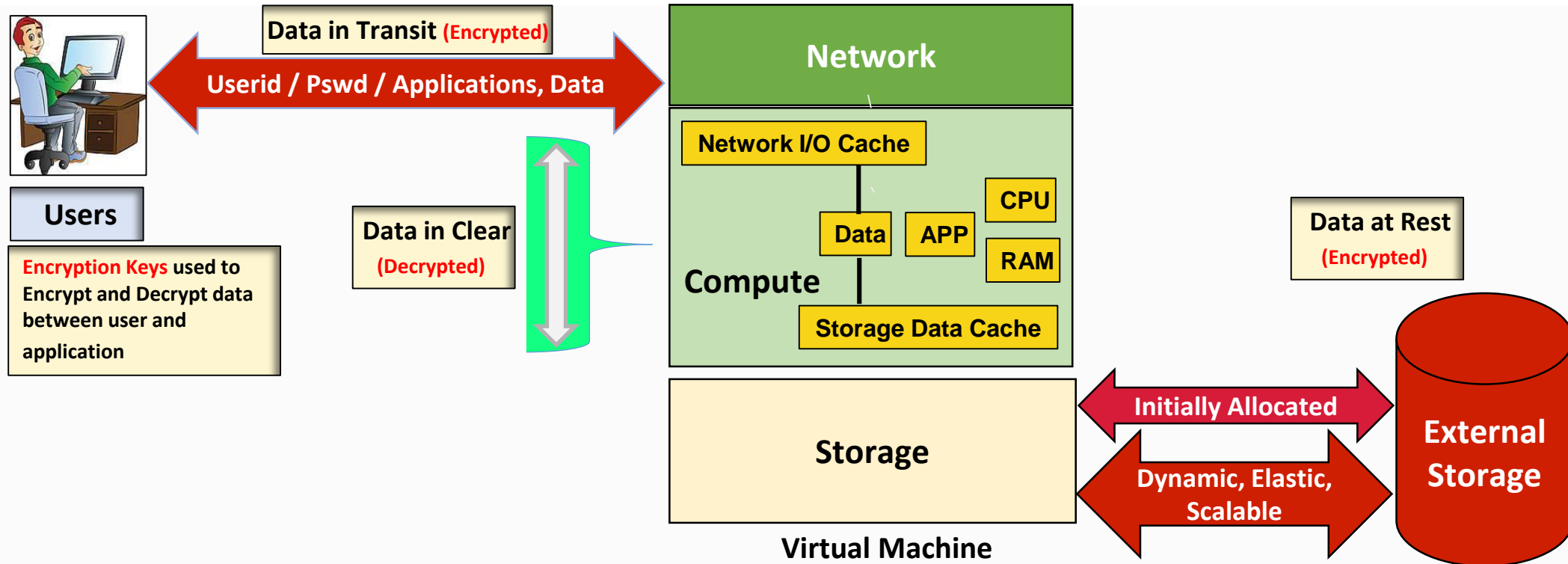
Mobile satellite stations can be used to support regions where there is no electricity, communications, or the electronic equipment needed to support the electronic voting system. Mobile electric generators can be used to power a mobile communications station (some equipment vendors include the electric generator with the mobile communications equipment as a single package), thereby allowing villagers in remote regions to vote. This technology may also be used to support embassy and consulate voting, and will allow for the collection of votes from remote locations. The votes would be transmitted to the ground receiving station for tallying along with the other votes collected at normal voting stations that are equipped with the equipment needed to support the electronic voting system. This equipment can be rented, or purchased, as desired.

JASTGAR eVOTE System – Virtual Desktop Infrastructure



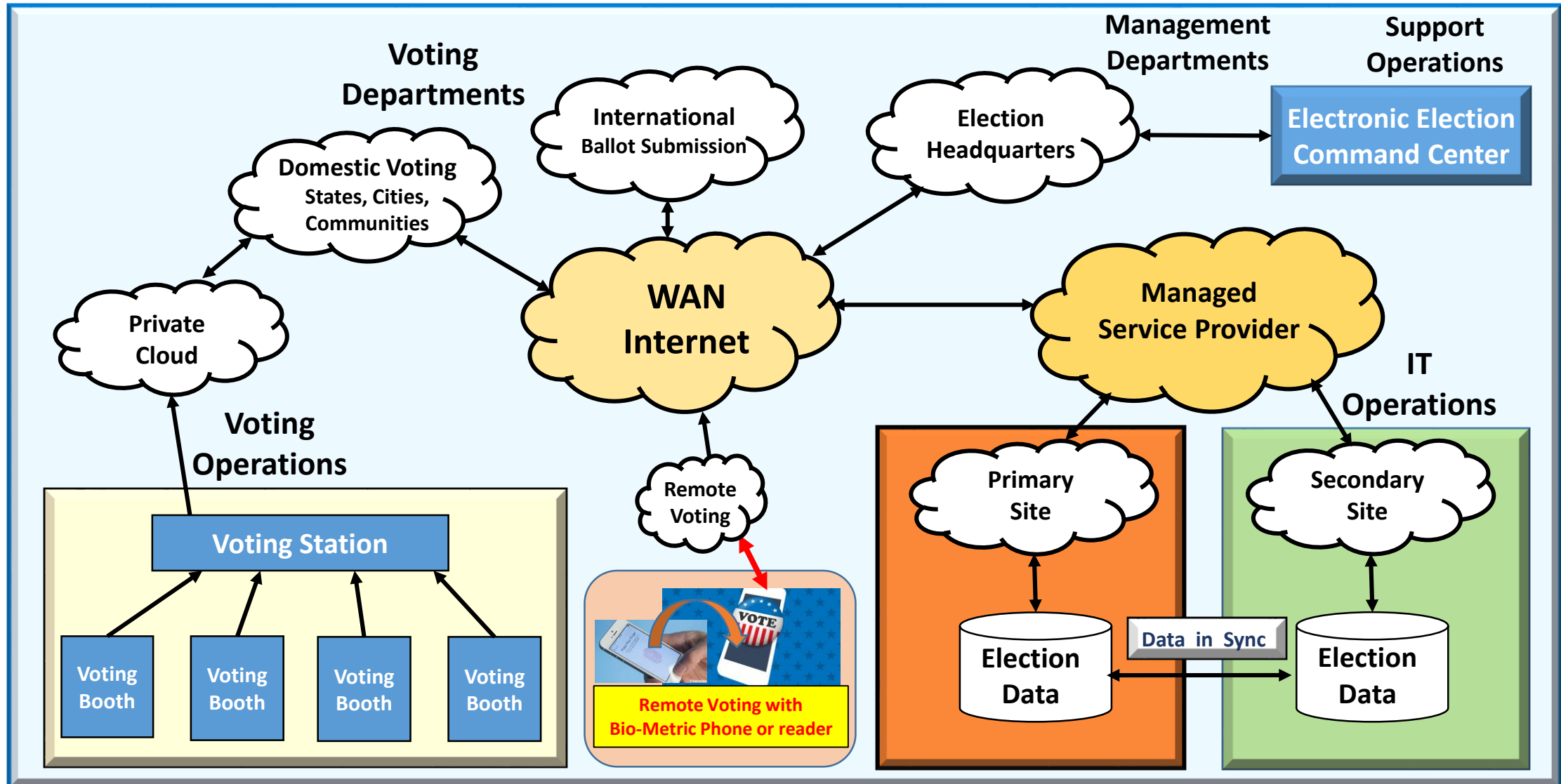
VDI Supports: PCs, Laptops, Desktops, Thin Clients, Mobile Devices, Wi-Fi, Smart Phones and a complete range of mobile devices. Its goal is to protect data, allow access by a wide range of devices, and provide automated recovery to remote users.

JASTGAR eVOTE System – Encryption

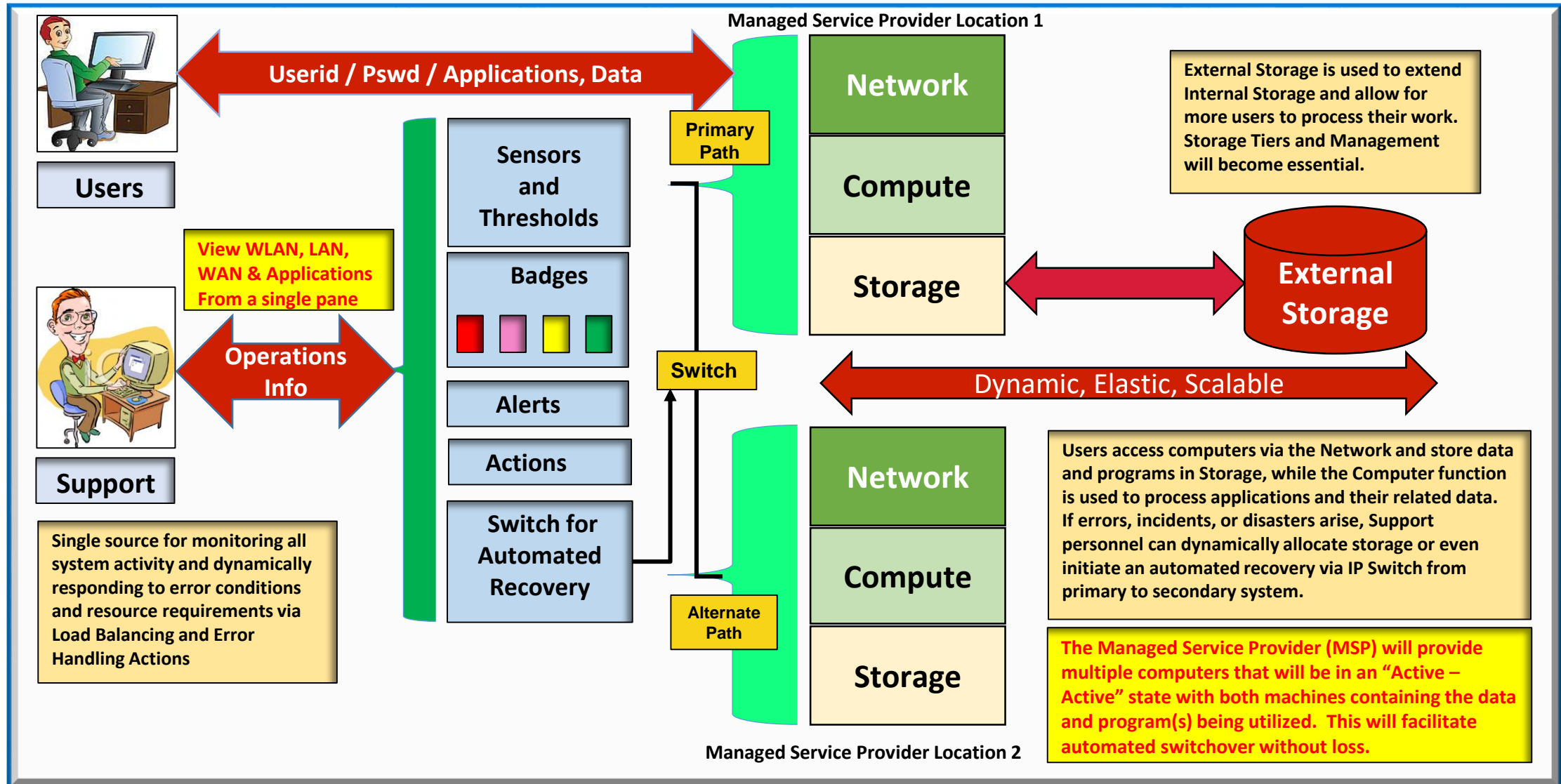


Encryption is used to scramble data into an unreadable format based on unique **Encryption Keys** provided to each User. It is Decrypted when the User accesses the Data from its "**Data at Rest**" location for use in RAM Memory ("**Data in Clear**") for processing instructions (Storage Keys protect the 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.

eVOTE - Cloud and Virtual Services Operations



JASTGAR eVOTE System – Load Balancing and Error Handling



Where do we go from here

1. **Contract with JASTGAR to serve as the Project Contractor** who will coordinate the construction and delivery of this Electronic Voting System, and be responsible for hiring sub-contractors to fulfill specific work items needed to complete the system.
2. **Contract to JASTGAR to perform the Needs Analysis Phase**, with 1/3 of the funding requirements provided up-front to support JASTGAR activities, with formal pay schedule defined and agreed upon, and expenses for Living and Travel paid for by the hiring organization or government.
3. **Guaranty to JASTGAR** that the program product being constructed will be solely owned by JASTGAR, who is the designer of the system and patent holder.
4. **Agreement to work user** to sell product to other countries and organizations that may want to follow in the path set forth in this project, with an agreed upon commission fee to be paid for their assistance in obtaining the new business for JASTGAR.
5. **On-Going contract** for JASTGAR to provide Support and Maintenance for the Electronic Voting System at an agreed upon cost.

JASTGAR eVOTE System – Project Life Cycle Details



Needs Analysis:

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

Architectural Plan:

- Number of Locations
- Network Resources
- Infrastructure Requirements
- 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:

- Statement of Work (SOW)
- Detailed Project Plan
- Development (*eCARD, eCARD APPs, eVETTING, eVOTE*)
- 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

Electronic Voting Process – What's in it for you



1. Paperless **electronic voting system** based on “**One Person – One Vote**” that protects against **Fraud** and **Corruption** in near real-time.
2. Establishment of a **voter recognition system**, complete with:
 - **Bio-Metric Voter ID Smart Cards for every citizen** that can be used throughout the government and business communities,
 - Every Citizen receives Voter ID Card and their identity is stored on **Voter Repository**, but only Vetted Citizens are included in the **Eligible Voter List**.
 - Electronic Voting system at voting stations to **validate voters** and **collect votes** for **near real-time tally display**,
 - Well **documented** and supported electronic voting system,
 - **Trained** voting staff, government officials, and voters, and
 - **Support and maintenance** services going forward.
3. **Outside vendor** to design, build, test, and implement the system that is above political liabilities.
4. **Audit Trail** (Trail of Evidence) to document voting operations, analyze results, and convict criminals.
5. **Electronic Vote collection** both domestically and internationally with future potential for remote voting.
6. **Worry-free** operation and support of the electronic voting system, so that political representatives will not be associated with corruption or voter fraud.
7. **A safe and secure election** that is a true representation of the people's voting desires.

QUESTIONS

