Denying the Enemy Anonymity: The Road Ahead

Headquarters Marine Corps

Plans, Policy and Operation

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Current Uses

Tactical Use

- Entry Control
  - Bases
  - Cities
- Detention Operations
- Check point operations
- Identification
  - Payments
  - Iraqi Army, Police
- Intel Exploitation
  - Forensics
- Part of the Screening and Vetting process
  - Local hires
  - Iraqi Army and Police Screening

Non- Tactical

- Entry Control
- CAC Cards

Future Needs

- What does tomorrow hold?
  - Expansion- More uses of the database
  - Further Integration with other systems
    - Humanitarian Assistance
    - Disaster Relief
    - Reconstruction
    - Virtual gated communities
    - Medical Cap
  - Expanded forensics use
    - Touchless collection
    - Onsite matching and targeting

Functional Device Requirements

- Enrollment Device

- Iris Screening Device
  - Admit/ Do not Admit
  - Paid/Not Paid
  - Provided food/ Needs food
  - Detain/ Do not detain

Austere Military Requirements

- Fast (used in bad guy country, don't want to wait)
- Rugged (Operate in harsh environment or easily and cheaply replaceable)
- Small and lightweight (Nano or cell phone, fit in the Cargo pocket)
- Disconnected Operations
  - No comm to mother ship
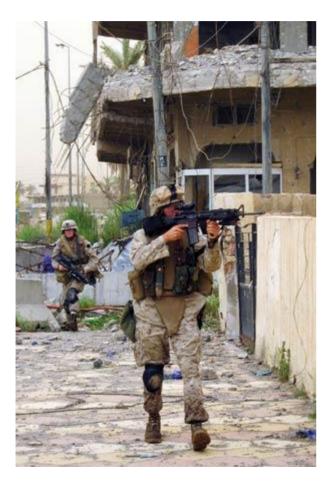- Able to easily zeroize it

Human Interface

- Iris scanning in various light conditions
  - Indoors and outdoors, Bright sunshine, cloudy days, overcast
- Blackberry type keyboard for contextual data
- Allow use of COTS external keyboard for data entry
- 10 print scanner (vice single finger)
- GPS time stamp capable

Interface Requirements

- Plug and Play type interface (Apple IPOD)
- Industry standard interface
  - USB, Firewire, Cat 5 SD Card,
- Access external media devices through USB port
- Wireless capable
  - Able to switch off
- Nice to haves:
  - Easily configurable to support a specific mission (base access, humanitarian support, SASO, Detention operations)

Power Requirements

- Continuously operate on battery
  - ISD 12 hours goal 3 hours min
  - Enroll Dev: 8 hours goals 4 hours min

- Operate on and recharge from multiple power sources
  - 110V to 220V AC
  - Civilian vehicle DC
  - Military vehicle 24V DC

- Auto power off after user defined time limit

Storage Requirement

- ## Lots of Memory
  - Comms goes down war does not stop
  - Hold all the biometrics needed for mission at hand 1-2 million records or a subset of full record

- ## Enrollment Device:
  - 2 mil records
  - 1.5 mil records

- ## Iris Screening Device:
  - 2 mil records
  - 250k records min

Take Aways

- Small

- Easy Interface

- Interoperable

- Ideas with solutions

Questions?