



Yesterday's Technology, Today

DS-13: Caught on Camera

SVS Pre-Benghazi



"Nudge" towards embassy SVS upgrades



2012 Attack highlighted a desperate need for Hi - Def Monitoring



Updated policy to move from analog to digital camera systems (HDSVS)



Who are We?

Problem Statement



The adoption of the HDSVS has been progressing at a sub-optimal rate. This is mainly an issue of funding and personnel. Creating efficiency gains and positive optics on the reduced scale of camera surveillance will spur much-needed resource allocation.

Issues: Now & Future

Slow upgrade pace

Forensic failure

Significant Cost

Outpaced by consumer tech

Our Product: At -a-Glance

REPORT: Table of Contents

Summary and Problem Statement

Upgrade: Analog to Digital Cameras

Current Security Video Systems Policy

Site Visit: Quantico

Site Visit: FACC and SA-20

Site Visit: U.S. Embassy in Costa Rica

Recommendations

List of Total Individuals Interviewees

Source References

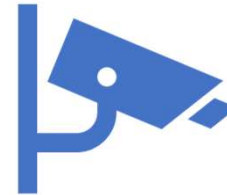


Our Journey: Product Development

Goal: Increase the efficiency of every-day and intermittent surveillance practices

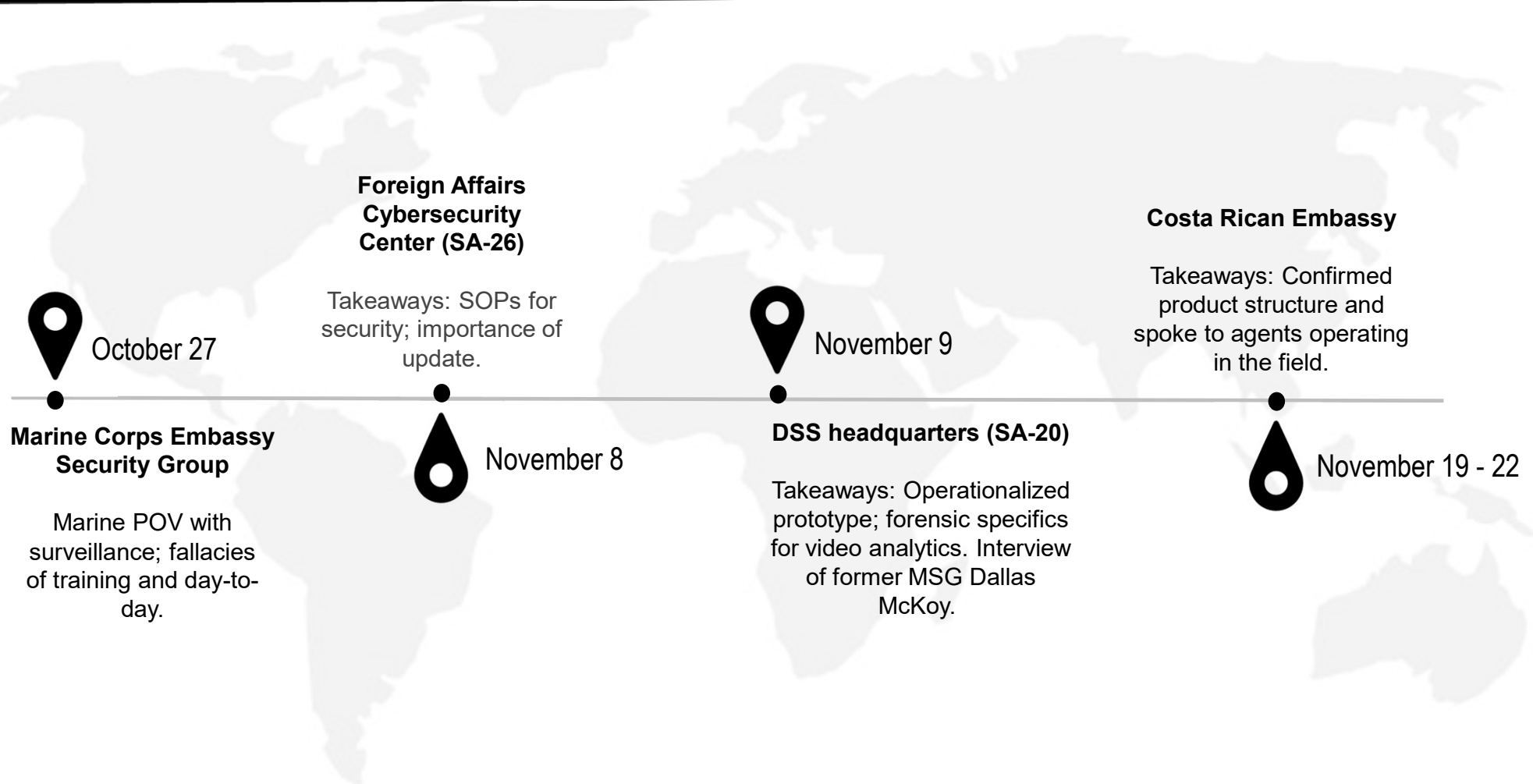


In-depth interviews and research helped us reach a comprehensive viable product.



Final product: Comprehensive report that outlines the efficiency of practices used by Embassy personnel pertaining to camera surveillance.

Our Journey: Site Visits



October 27

Marine Corps Embassy Security Group

Marine POV with surveillance; fallacies of training and day-to-day.

Foreign Affairs Cybersecurity Center (SA-26)

Takeaways: SOPs for security; importance of update.



November 8



November 9

DSS headquarters (SA-20)

Takeaways: Operationalized prototype; forensic specifics for video analytics. Interview of former MSG Dallas McKoy.

Costa Rican Embassy

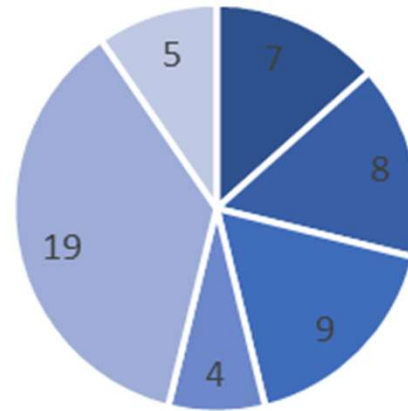
Takeaways: Confirmed product structure and spoke to agents operating in the field.



November 19 - 22

Interviews

Distribution

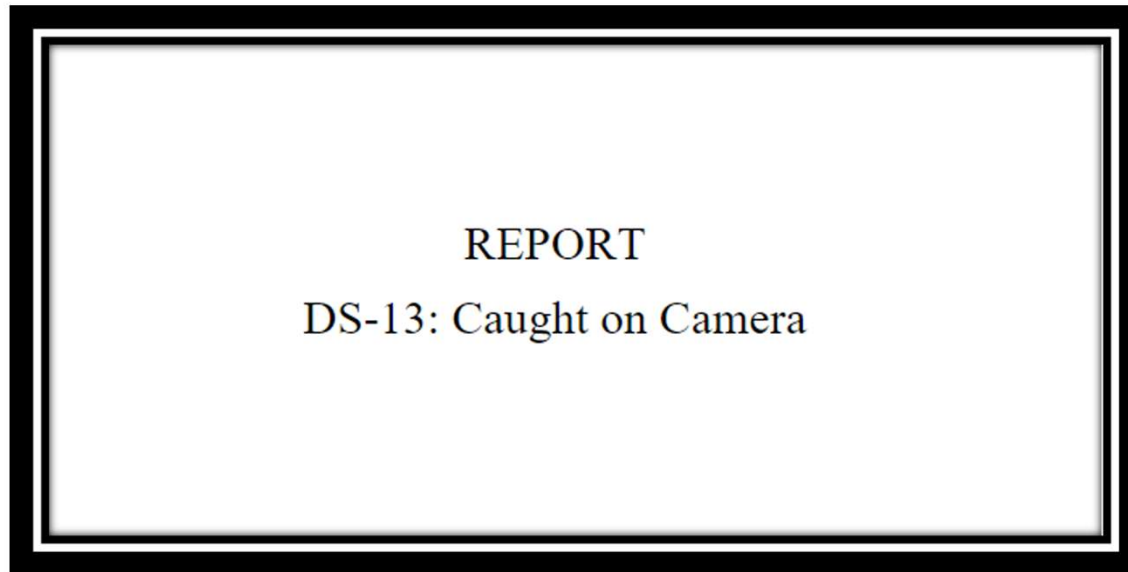


- Marines/MSG's
- DSS Personnel (Washington)
- DSS Personnel (Costa Rica)
- Problem Sponsor
- SEOs/RSOs
- Other (Lawyers, contractors, etc.)



OUR PRODUCT

- 18-page report.
- A few pages of detailed recommendations are located at the end of the report.



REPORT: Current SVS Policy Shortcomings

The current HDSVS policy is restrictive in content and language.

Lack of discretion for SEO/STS/RSO

Rigidity in available choices within operation



Our recommendation: Update current SVS policy language to give more flexibility to on-site personnel.



REPORT: Curriculum Gap for MSG Training

Our group discovered gaps between the MSG school's curriculum, and the skills required in real-world situations.

Marines are often expected to learn SVS on arrival

Little to no review of security systems in post 1

Information is often word-of-mouth.



Our recommendation: Bridge the curriculum gap between D.O.S. and the MSG School.

REPORT: Video Analytics

Conversation with TOG sheds light on the need for analytic prioritization.

All footage receives the same priority.

No distinction between external vs. internal cameras.

Little support for MSGs and TOG.



Our recommendation: Propose **categorization for footage priority in both live and forensic study.**



Current Process

Footage

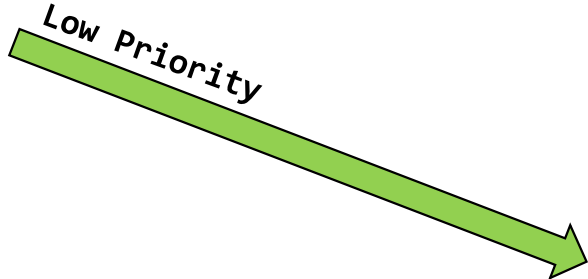
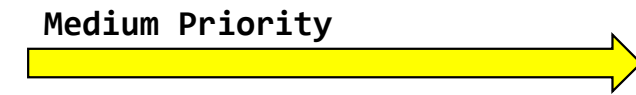
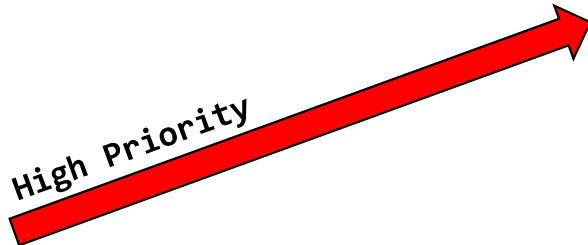


Tagged with identical priority

Capital-intensive analysis process for all footage

Proposed Revision

Footage



Human/Capital-intensive review

Review Later

Store & Dispose



REPORT: Video Analytics (continued)

Exterior Footage
- Minimum resource
allocation

CAC Footage
- Moderate resource
allocation

Incident Footage
- Maximum resource
allocation



REPORT: Infrastructure Inadequacies

Interviews revealed frustrations with infrastructure

Shortcomings in weather-proofing

Improper usage leads to bandwidth restrictions

Support from manufacturers is lacking



Our recommendation: Implement infrastructure requirements for the requested camera system and guidelines on usage.

Lack of Action Hypotheticals

Going rate of 32 years (6 facilities per year) to upgrade all embassies to HDSVS

Forensic failure following insurgent action

More than \$100,000 (per fiscal year in travel costs) associated with equipment failure

Consumer tech rapidly outpaces embassy security without upgrade protocol



Acknowledgements





Questions?

