



Medical Pattern of Life Targeting High Value Individual #1 (SIGINT Enabling HUMINT / Targeting)

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Dr. [REDACTED], SSG13, Clinical Psychologist to Operations
[REDACTED], SSG13, Senior Technical Development Program



(U) Outline

- (U) Project Description
- (U) Definition of Medical Pattern of Life(PoL)
- (S//SI//REL) Advantages of Medical Intel over Conventional Intel in Prosecuting HVI's.
- (TS//SI//REL) UBL Medical SIGINT Amplified by HUMINT
- (TS//REL) Medical Profile for HVI#1
 - New Intelligence + Extrapolated
- (FOUO) Planned Modus Operandi
- (FOUO) Technical Solution to Enable Operation



(C//REL) Medical Intelligence



- (C//REL) What is Medical Intelligence?
- (S//SI//REL) Methodology used for Extracting Medical Pattern of Life (PoL) from Medical Intelligence.
- (TS//SI//REL) Medical PoL → Identification of all recurring, and therefore predictable, patterns of behavior that constitute the specific treatment regimen for a target's medical illness
 - Medications, Medical Tests, Medical Surgical Treatments, Hospital and Doctor Visits



(S//REL) High Value Individual Targeting



- (TS//SI//REL) Advantages of Medical Intel:
 - Credible Medical Intel Never Goes Stale
 - Tagging and tracking medications/supplies to a specific target enables us to leap over the non-electronic moat with which HVI's surround themselves, enabling their geolocation.
 - Enables Geolocation in Cities or Countryside.
- (S//REL) Case Examples of the use of Medical PoL for GeoLocation Targets.



(FOUO) Medical Profile



- (TS//SI//REL) Description of UBL Medical PoL
- (TS//SI//REL) SIGINT Reporting on UBL
 - Doctor in Theater, 2000
- (TS//SI//REL) CIA Reports
 - “Middle Stage Renal Disease”
 - Recurrent Urinary Tract Infections and Kidney Stones
 - Intestinal Problems



(U) Project Planning



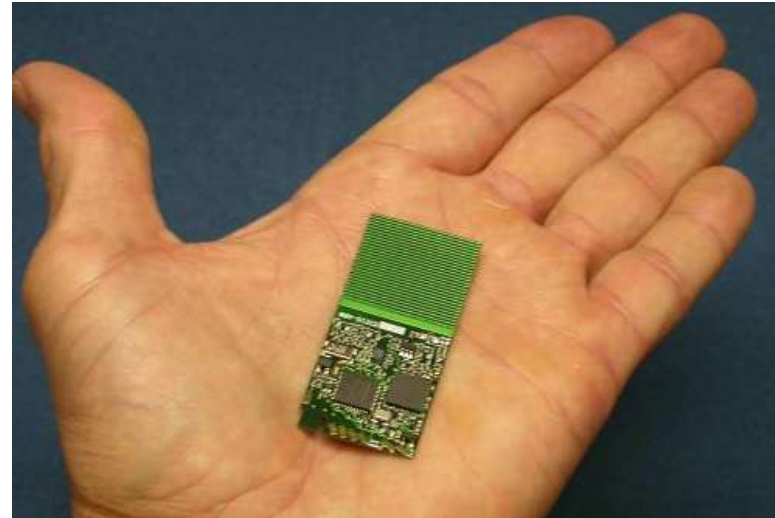
- (S//REL) Acquire Support from Stakeholders
 - British (GCHQ, SIS)
 - US (RX, LPS, Sandia, ORNL, NSA CT, CIA CT)
- (FOUO) Technical Solution Trade Study
- (S//REL) Determine Medical Treatment Signature
- (S//REL) Determine Likely Meds/Equipment
- (TS//SI//REL) Focus Tag Effort: Supply Chain to HVI
 - Suppliers, ICRC Hospitals, Agents in Field
 - 2006 Reporting- Kandahar Supply Chain
 - HUMINT



(FOUO) Technical Considerations



- (TS//REL) Device
 - Tiny, Embeddable Form Factor
 - Very Low Power
 - Non-Attributable Electronics
- (TS//REL) Communications
 - Long Stand-Off Range, Covert
- (TS//REL) System
 - Accuracy Despite Harsh Signal Environments
 - Existing Infrastructure
- (TS//SI//REL) Alternatives
 - RFID System: Sandia National Lab PAITS, LPS, RX
 - Enabling Taggant: RX, ORNL





(FOUO) Mechanics



- (TS//SI//REL) PAITS Long Range Tags
 - Apply to Pharmaceuticals / Delivery System
 - Where Repackaging not an Option
 - Peritoneal Dialysis Solution- IV Bags
 - E-Poetin Injection Bottles
 - Native Tag Issues (RF Interference, Cover)
 - Very High Probability Destination- HVI#1
 - Intelligence / HUMINT Enabling
 - Pharmaceutical Honey-Pot
- (TS//SI//REL) Gas Taggant Indicator



(FOUO) Operation



- (TS//REL) Known Conduit: Pharma to Target
- (TS//SI//REL) Process
 - Seal Broken for Pharmaceutical Use
 - Gas Release/Detection
 - Initiate RFID Tracking System
- (TS//SI//REL) GeoLocate Tags at Long Range
- (TS//REL) Independently Confirm Target Location
- (TS//REL) Initiate Operation on Acquired Target



(U) Questions?

(FOUO) Contact Information:

- Dr. [REDACTED], SSG13 [REDACTED]@nsa [REDACTED]
- [REDACTED], STDP / SSG13 [REDACTED]@nsa [REDACTED]