Darknet investigation & countering the illicit use of drones: the approach of INTERPOL

United Nations, Geneva, 4 December 2018
INTERPOL CT Strategy

INTERPOL Counter-Terrorism Strategy & Mandate

5 CT Action Streams

IDENTIFICATION

TRAVEL & MOBILITY

CAPACITY BUILDING

ONLINE PRESENCE

BORDER SECURITY

FINANCES

WEAPONS & MATERIALS

FORENSICS

INTELLIGENCE ANALYSIS

POLICE DATA MANAGEMENT

5 Selected Policing Capabilities

INTERPOL For official use only
Darknet investigation

- Restricted access
- Encrypted data

- Non-WWW network
- Not indexed by search engines
- Accessible by authorization, specific software and configuration

Access restricted sites with a high level of confidentiality
Conduct criminal activities
Recognizing:

- The **threat** posed by the potential use of biological and chemical material by non-state actors.

- Darknet as a platform for **illicit trade** of biological and chemical material and dual-use equipment.

- The **technical challenge** to investigate the Darknet.

**PROJECT PANDORA**
PROJECT PANDORA

Objectives: Detect and investigate potential criminal activity related to the access, purchase and illegal distribution of biological and chemical material on the Darknet

How? Undercover investigation techniques, forensic investigations on Market places, track crypto-payments, monitor open source information...

Target audience: CT investigators, cybercrime specialists, intelligence analysts
Countering the Illicit Use of Drones

• Global Context
  – UNSCR 2341 on Critical Infrastructure Protection
  – INTERPOL Chair: UN-CTITF WG on Critical Infrastructure Protection
Countering the Illicit Use of Drones

THREAT
- Countermeasures
- Detect and Identify
- Drone Incident Handling

Definition: Utilizing systems and intelligence to counteract the threat from drones.

EVIDENCE
- Forensic Recovery of Drone data
- SOPs and Guidelines
- Data Processing and Analysis

Definition: The recovery of data and identifiers from drones and associated equipment.

GLOBAL OPERATIONAL PROCEDURE AND GUIDELINES

TOOL
- Usage by Law Enforcement
- Implications
- Challenges and Limitations

Definition: Use of drones by Law Enforcement and associated guidance.
Countering the Illicit Use of Drones

Drone Expert Forum, 2018

INTERPOL’s Innovation Centre and Counter-Terrorism Directorate in collaboration with the FBI and National Police of the Netherlands organised The Drone Expert Forum, held in IGCI, Singapore from 28 to 30 of August, 2018.

Participants and Expertise

95 participants from 35 countries
+ UN Security Council + NATO + VTO Labs + FlyMotion + FlyAbility + Blue Lights Digital + DJI + Oxygen Forensics

Objectives

- Explore the dangers and opportunities the use of drones present
- Share best practices
- Facilitate exchange of information
- Encourage cross-sector and international cooperation
Countering the Illicit Use of Drones

• **Identified Scenarios:**
  – Terrorists targeting critical infrastructure / mass gatherings / soft targets
  – Increased payload capability = Delivery of CBRN materials / IEDs
  – Cross-border organized crime activities
  – Disturbing air traffic
Countering the Illicit Use of Drones

1. What will the participants do differently post the forum?
   - Increase collaboration and expand network
   - Establish a method to share data
   - Study what has worked and hasn’t in other countries and implement new drone programs
   - Expand the use of drones - countermeasure, forensics etc.

2. What can INTERPOL further undertake in the area of Drones?
   - Share information
   - Develop relevant databases and platform for training/sharing
   - Encourage public-private partnership
   - Continue raising awareness

3. What can countries contribute to INTERPOL’s work?
   - Provide sharable information
   - Technical expertise and best practices
   - Multinational support and Coordinations for example the UN
   - Increase involvement of the private sector