

**SIXTY-THIRD REGULAR SESSION  
April 25-27, 2018  
México D.F., México**

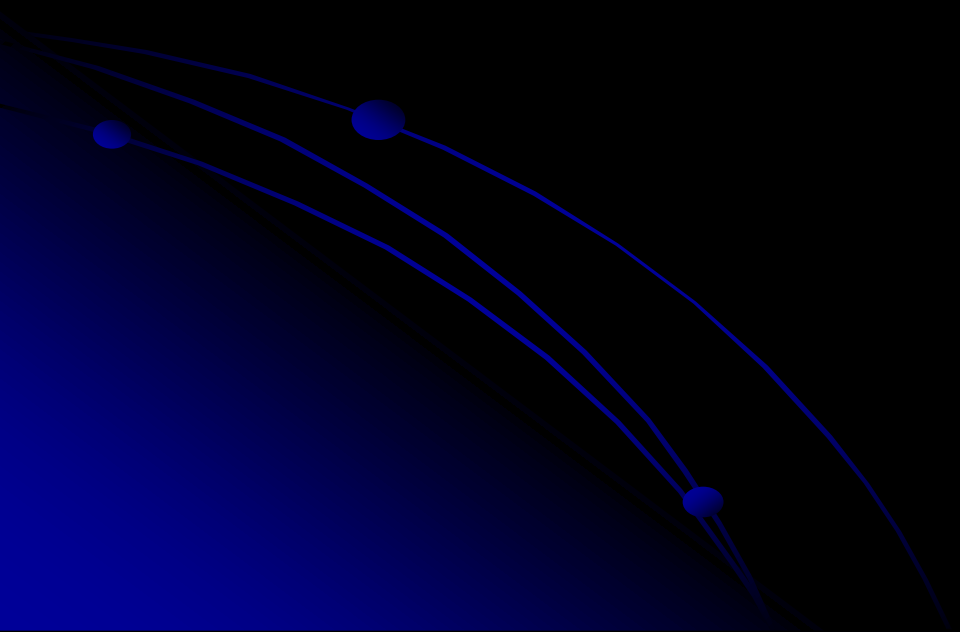
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25 April 2018  
Original: English**

**TRENDS IN THE SALE OF SYNTHETIC DRUGS THROUGH THE INTERNET: DARK NET, CRYPTOCURRENCY, AND POSTAL SYSTEMS**

# Trends in the Sale of Synthetic Drugs through the Internet: Dark Net, Cryptocurrency, and Postal Systems

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# “Drug Entrepreneurship 101” Easy Steps







# Who?



- Sinaloa Cartel
- Cartel de Jalisco
- Nueva Generacion
- Los Zetas
- Cartel de Golfo
- Aaron Shamo



# Aaron Shamo

## Operation Killer Whale

### Total Narcotics Seized:

160,000 Alprazolam/counterfeit  
Xanax  
250,000 Fentanyl  
pills/counterfeit Oxycodone  
5,000 kilo's of Benzodiazepine  
520 grams of Alprazolam  
powder  
850 grams Fentanyl Powder



### Total Currency Seized:

\$1,676,893.00  
\$6,804.00 in silver bars



# Who?







UNCLASSIFIED//LAW ENFORCEMENT SENSITIVE

## Tableting Machine



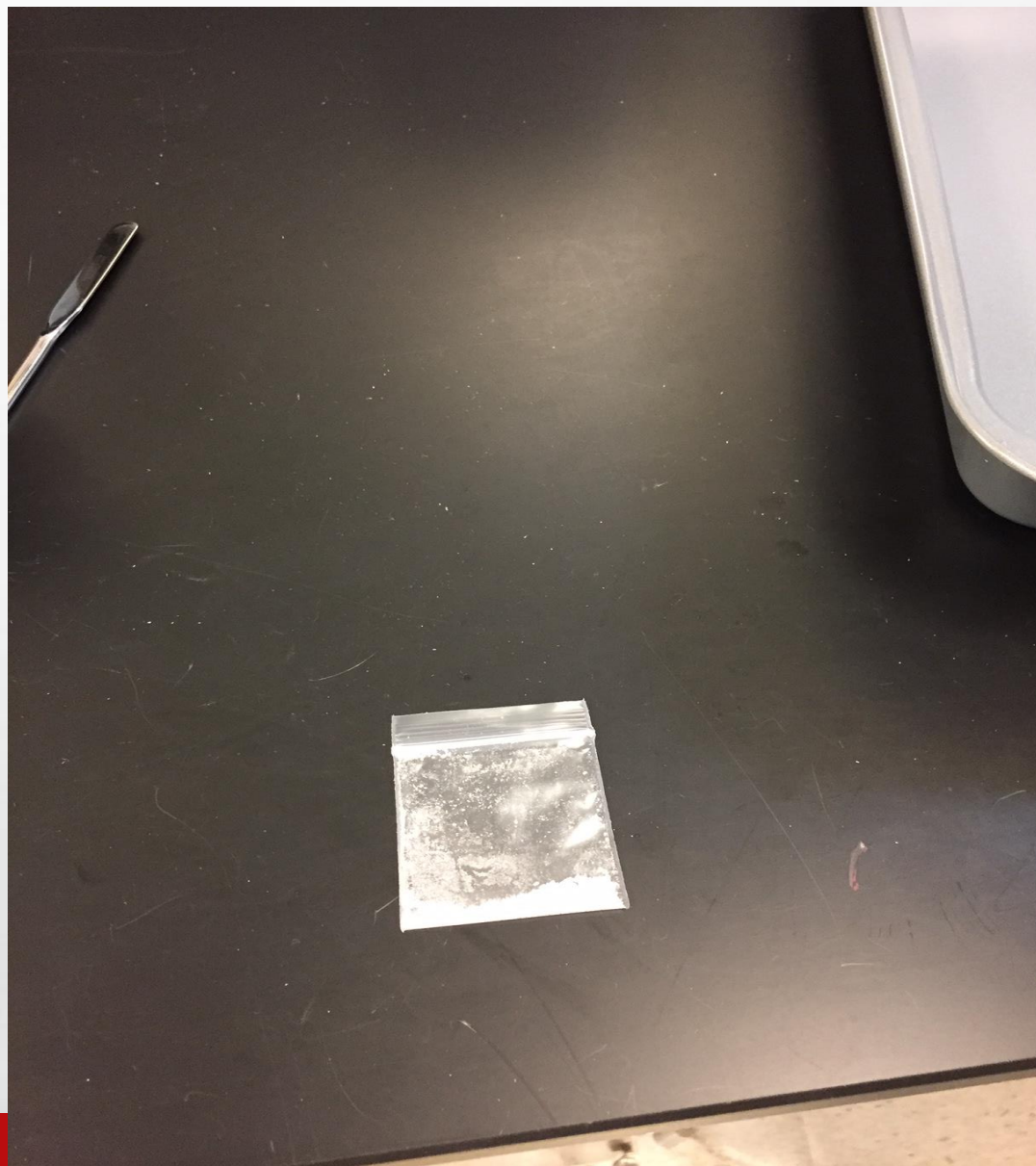
- Cost: \$1,600 - \$2,000
- Production: 1,000 – 6,000 pills per hour
- Operation: Automatically or semi-automatically

UNCLASSIFIED//LAW ENFORCEMENT SENSITIVE

# **CARFENTANIL PACKAGE NASHVILLE**

- **APRIL 2017, CI GIVES INFORMATION ABOUT CARFENTANIL PACKAGE COMING INTO NASHVILLE FROM CORAL SPRINGS FLORIDA**
- **PACKAGE IS FOUND BY U.S. POSTAL INSPECTOR FINNEY**
- **SW IS EXECUTED ON PACKAGE AT METRO NASHVILLE CRIME LAB AND FOUND TO CONTAIN 170 MILLIGRAMS CARFENTANIL**
- **FORENSIC CHEMSIT ESTIMATES THAT AMOUNT TO BE APPROXIMATELY 1700 LETHAL DOSES OF CARFENTANIL**
- **FOLLOW ON INVESTIGATION YIELDS INFORMATION INTO SENDER AND PICS SHOW 63 PACKAGES BEING SENT THE SAME DAY AS NASHVILLE PACKAGE**





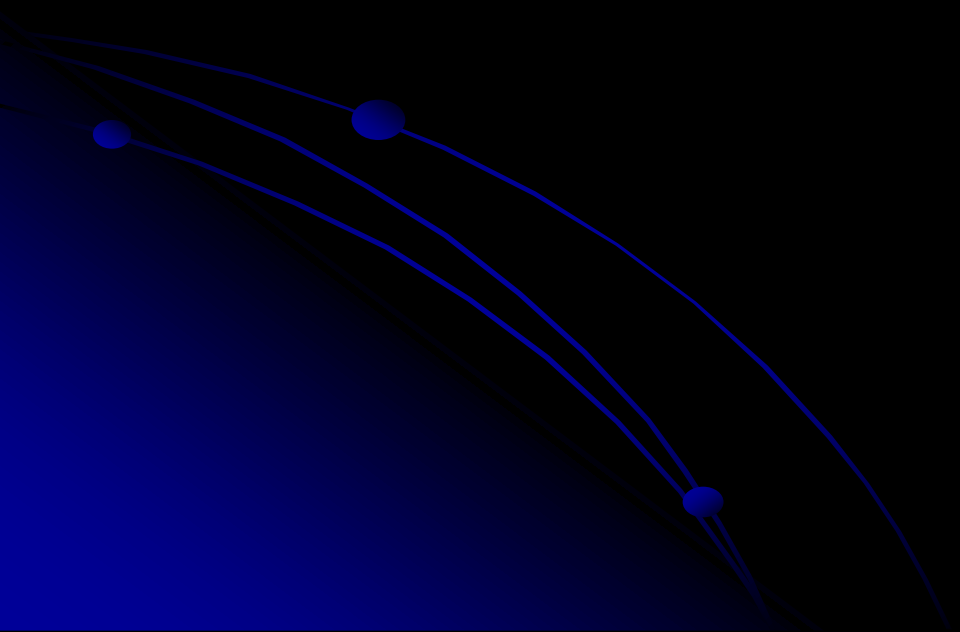


PMI for  
Customs Review

NO  
SMOKING

S  
14

“Dark Net”





# Deep Web vs Dark Web

## Internet

- “Surface” or “Visible” networks used for information searches
- Websites are found using search engines i.e Google, Bing, Yahoo
- 4% of whole internet
- Internet is the tip of the Iceburg

## Deep Web

- Subset of the internet, not indexed by search engines, not discoverable
- Specific sites directly using IP address. ie internet banking, Gmail
- 90+% of whole internet is Deep Web

## Dark Web

- Websites not indexed by normal search engines, access ONLY with special software that disguises your IP address. ie. TOR
- Encrypted networks that provide anonymity
- Illegal activities. ie drug trading, weapons sales, etc.
- “Black Market” of the internet.
- Much smaller than Deep Web





**Surface Web**  
(found in search engines)

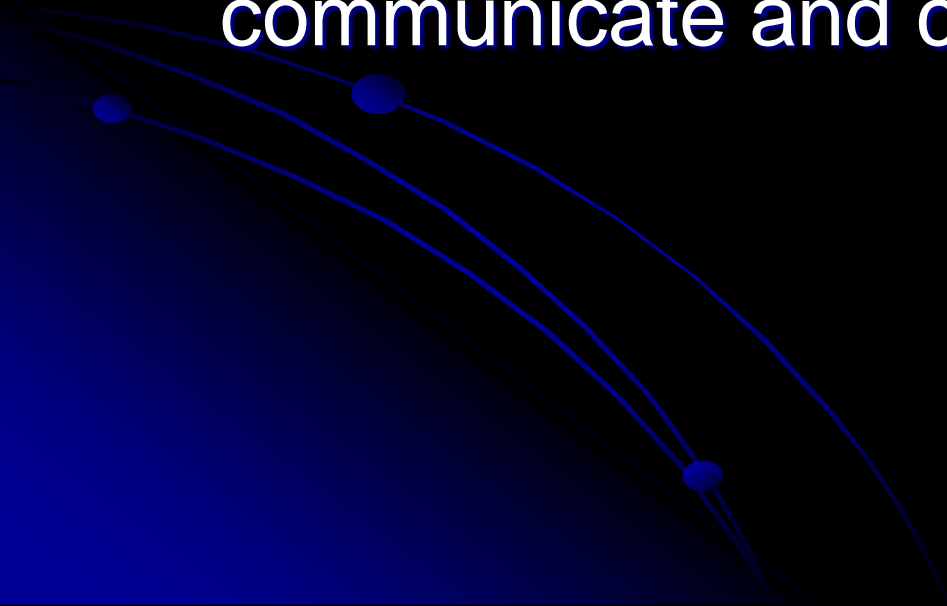
**Deep Web**  
(Not in search engines)

**Dark Web**  
(Anonymous)

# What is the “Dark Net?”

- Darknets are networks that use the Internet that require specific software, configurations or authorization to access.
- Allows users and website operators to remain anonymous or untraceable.
- Protects users' identity and guarantee anonymity via secure encryption to communicate and share files confidentially

# Access

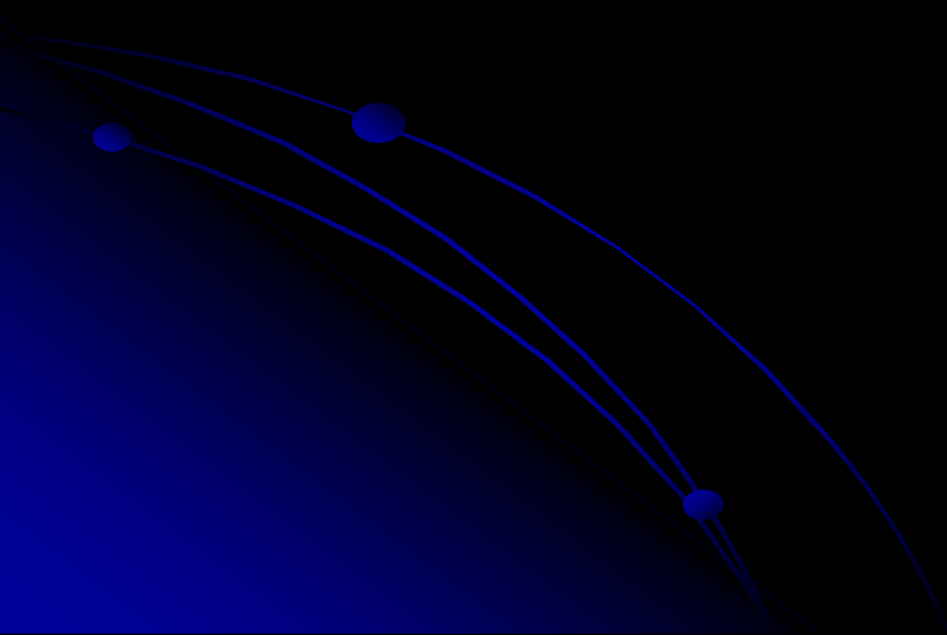
- Need a computer, access to the internet, the Tor browser (secure network), PGP key, encrypted email to communicate and cryptocurrency wallet for payment.
- 



# Cryptocurrency

- A digital currency in which encryption techniques are used to regulate the generation of units of currency and verify the transfer of funds, operating independently of a central bank.

- Monero
- Litecoin
- Ripple
- Ethereum
- Bitcoin



# AlphaBay and Hansa Marketplaces

July 2017- take down  
of the 2 largest  
marketplaces on “Dark  
Net” by law  
enforcement

Distrust and confusion  
among online criminal  
community

Left void for demands  
to be filled by smaller  
marketplaces/vendors  
emerging to compete  
for the large AlphaBay  
and Hansa customer  
base.

Competing  
marketplaces offer  
commissions, counter  
security measures,  
different products and  
cryptocurrencies

# Encrypted Messaging Apps

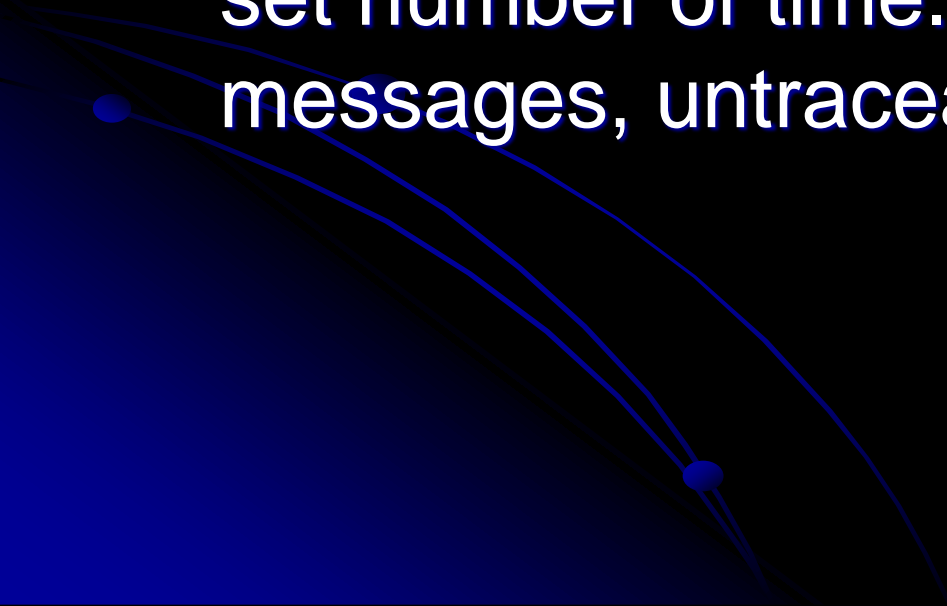
Vendors taking conversations from  
“Dark Net” to social media using  
encrypted messaging applications to  
minimize risk and decentralize illicit  
online markets

Increased use of mobile  
phones by milenials because  
alleged apps are encrypted,  
more secure from law  
enforcement surveillance and  
expedited transactions

WhatsApp, Kik, Wickr,  
Signal, Discord



# Telegram Application

- Launched in 2013 - plans to integrate their own blockchain platform and cryptocurrency called “Telegram Open Network”
  - Key feature is ability for messages to self destruct after set number of time. Once deleted, no record of previous messages, untraceable to avoid law enforcement
- 

# The Way Forward

- It's all about Privacy
- Proliferation is the major risk for our personal data.
- Cryptocurrency, the Dark Web gives the user a sense of “peace of mind” that their privacy is protected.

## Transactional Properties:

Irreversible

Private

Fast and Global

Secure

Permissionless

# New Targets

- John Doe, Sally Sue, Jose Diaz.....

