Approved for Release: 2022/06/02 C05136347

From:
Sent: Tuesday, June 29, 2021 9:31 AM
To: (b)(3)
Subject: RE: Sentient R&D support to UAPTF --- ~~TOP SECRET//SI/TK//RSEN/IMCON/NOFORN~~
Attachments:

Classification: ~~TOP SECRET//SI/TK//RSEN/IMCON/NOFORN~~

==========

(b)(3)

Our most recent

"Veni, vidi, scripsi."

(b)(3)

From:
Sent: Tuesday, June 29, 2021 8:51 AM
To: (b)(3)
Subject: FW: Sentient R&D support to UAPTF --- ~~SECRET//NOFORN~~

Classification: ~~SECRET//NOFORN~~

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[redacted]

==========

[redacted], can you support, with a refresher? (b)(3)

v/r

[redacted]

From: [redacted] (b)(3)
Sent: Tuesday, June 29, 2021 8:45 AM
To: [redacted]
Subject: RE: Sentient R&D support to UAPTF

Classification: ~~SECRET//NOFORN~~

[redacted]

==========

Hello [redacted] (b)(3)

I know we have briefly discussed this program before. Do you have a product brief/trifold that we can look at as a refresher?

S/f

[redacted]

From: [redacted] (b)(3)
Sent: Tuesday, June 29, 2021 8:41 AM
To: [redacted]
Subject: Sentient R&D support to UAPTF --- ~~SECRET//NOFORN~~

Classification: ~~SECRET//NOFORN~~

[redacted]

==========

Good morning, [redacted] (b)(3)

NRO's Sentient R&D as a UAP Model to look for UAP [redacted] in imagery, but we need an external customer to ask for it to be turned on.

(b)(1)
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And you are our primary customer.

So would you mind assisting us.

v/r

[redacted] (b)(3)

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Classification: ~~SECRET//NOFORN~~

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Classification: ~~SECRET//NOFORN~~

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Classification: ~~SECRET//NOFORN~~

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Classification: ~~TOP SECRET//SI/TK//RSEN/IMCON/NOFORN~~

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NATIONAL RECONNAISSANCE OFFICE

(U) SENTIENT

6 Nov 2019

(b)(3)

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(U) SENTIENT

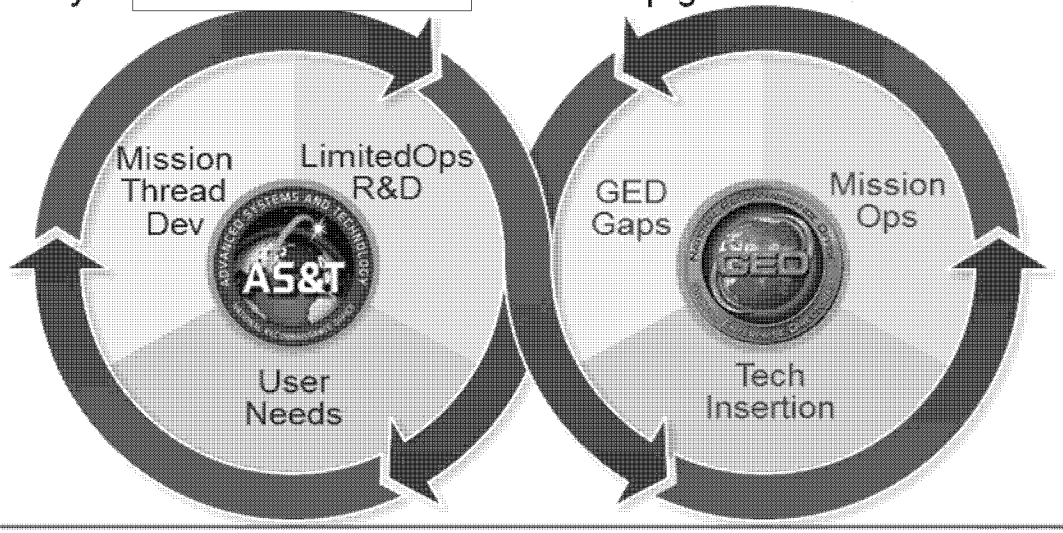
DISRUPTIVE RESEARCH

(U) DESCRIPTION

(U//~~FOUO~~) SENTIENT is an AS&T research and development framework that enhances the GED operational framework. Sentient emulates key elements of the NRO's existing and future ground architecture. The framework is anchored around a problem-centric overhead system tasking and collection process that employs [redacted] to support an adaptive closed-loop cycle. (b)(3)

(U//~~FOUO~~) ENTERPRISE IMPROVEMENTS

- Faster identification, characterization, and behavior prediction of targets and activities
- Data-driven decisions for future ground architecture
- Improved tasking, collection, processing, exploiting and dissemination efficiency through correlation of large and disparate data sets
- Perspective and buy-in [redacted] closed-loop ground solutions (b)(3)



Graphic is U/~~FOUO~~

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(U) SENTIENT – GEOINT Related Activities

- **Programs:**
  - **(U)** [redacted] **– Adaptable** [redacted] **for sea land and air** (b)(3)
  - ~~**(S//REL)**~~ [redacted] **fusion** (b)(1) (b)(3)
  - **(U) S2A GEOINT fusion improvements**
  - ~~**(S//TK//REL)**~~ [redacted] **based imaging**
  - **(U) MOVINT SAR** [redacted] (b)(3)
  - **(U) 3D Processing**

~~(S//REL~~) GEOINT Based Experiments:

- Patterns of Life (POL)
- Segmentation prior to [redacted]
- Size threshold evaluation
- Shadow integration for [redacted]
- [redacted] tipping
- [redacted]

~~(TS//TK//REL)~~ GEOINT Mission threads:

- [redacted] tipped
- Air Domain Awareness
- Maritime Domain Awareness
- [redacted] Activity (b)(1) (b)(3)
- Missile Activity
- WMD
- UAV
- [redacted]
- [redacted]

DISRUPTIVE RESEARCH

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(U) SENTIENT – SIGINT Related Activities

- **Programs:**
  - **(U) Multi-INT Missions (MIM) – Purposeful [redacted] Multi-INT Collection** (b)(3)
  - **(~~S//TK//REL~~) [redacted]** (b)(1) (b)(3)
  - **(U) Real Time Mission Assessment (RTMA) – [redacted] accomplishment**
  - **(U) Dharma – Historical SIGINT Bonusing**
  - **(U) Slice – Track Generation using SIGINT Pre-D**
  - **(~~TS//SI//REL~~) [redacted] Support to [redacted] Precision Geolocation** (b)(1) (b)(3)

DISRUPTIVE RESEARCH

(~~S//REL~~) SIGINT Based Experiments:

- Duration and Periodicity Testing
- Link Limit, Priority, and Resource Handling
- Offline [redacted] Testing
- Converged Collection [redacted]
- [redacted] Thread OpEval
- [redacted] Non-Contiguous Collection
- [redacted] Non-Contiguous Collection with
- incorrectly Placed Feed
- [redacted] Frequency Scan Collection

(~~TS//TK//REL~~) SIGINT Mission threads:

[redacted] (b)(1) (b)(3)

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(U) SENTIENT

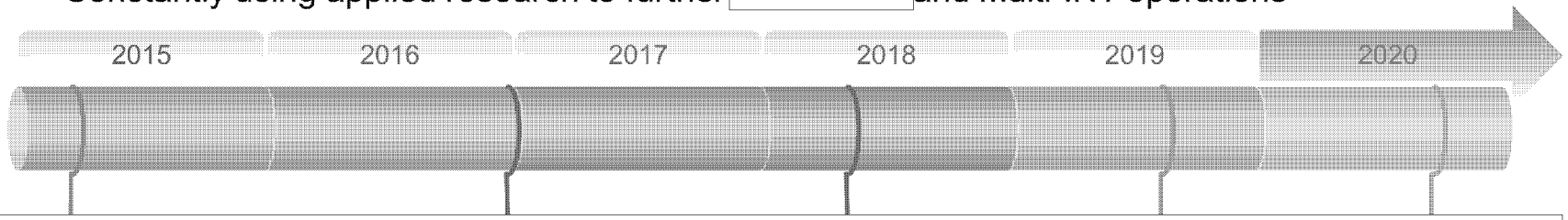
DISRUPTIVE RESEARCH

(U//~~FOUO~~) COLLABORATION / TRANSITION PARTNER

- Current collaboration from: AS&T, GED, SAO, [redacted] MOD, MID, MOD [redacted] (b)(3)
- Provides GED with tech solutions to help meet the [redacted] vision

~~(S//REL)~~ ROADMAP / MILESTONES

- Constantly using applied research to further [redacted] and Multi-INT operations (b)(1) (b)(3)



[redacted] (b)(1) (b)(3)

(U) HOW TO CONTACT:

- Director: [redacted]
- Deputy Director: [redacted] (b)(3)

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