

[Redacted]

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

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

[Redacted]

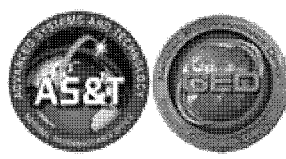
[Redacted]

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Our most recent

[Redacted]

“Veni, vidi, scripsi.”



[Redacted]

[Redacted]

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From: [Redacted]
Sent: Tuesday, June 29, 2021 8:51 AM
To: [Redacted]
Subject: FW: Sentient R&D support to UAPTF --- ~~SECRET//NOFORN~~

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Classification: ~~SECRET//NOFORN~~

[Redacted]

[Redacted]

[Redacted] can you support, with a refresher?

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v/r

[Redacted]

From: [Redacted]

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Sent: Tuesday, June 29, 2021 8:45 AM

To: [Redacted]

Subject: RE: Sentient R&D support to UAPTF

Classification: ~~SECRET//NOFORN~~

[Redacted]

Hello [Redacted]

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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]

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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.

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And you are our primary customer.

So would you mind assisting us.

v/r

[Redacted]

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Classification: ~~SECRET//NOFORN~~

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Classification: ~~SECRET//NOFORN~~

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Classification: ~~SECRET//NOFORN~~

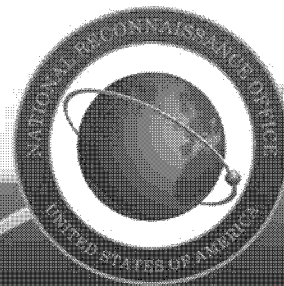
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Classification: ~~TOP SECRET//SI//TK//RSEN/IMCON/NOFORN~~

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

NATIONAL RECONNAISSANCE OFFICE

(U) SENTIENT

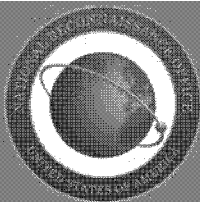
6 Nov 2019



SUPRA ET ULTRA

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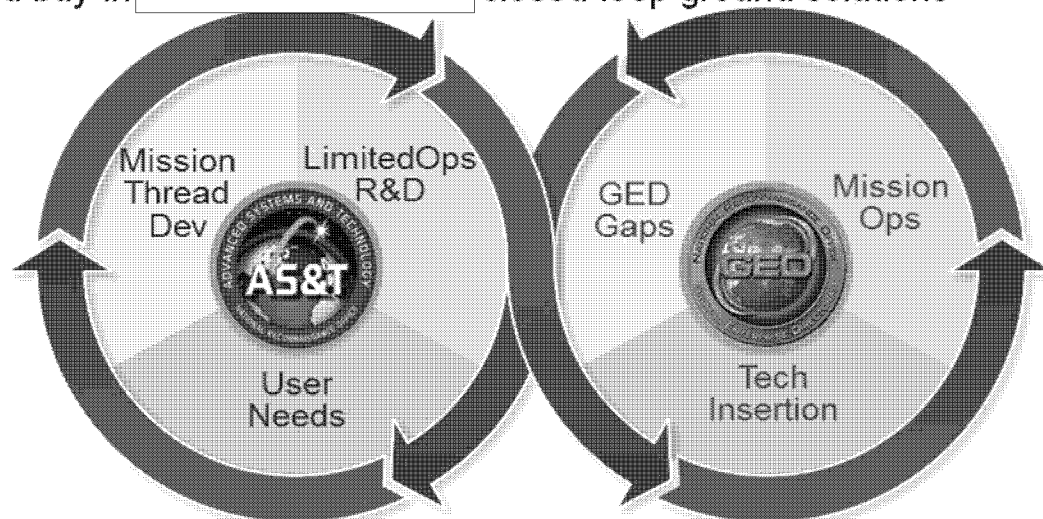
(U) SENTIENT

(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 to support an adaptive closed-loop cycle.

(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 closed-loop ground solutions



Graphic is U//~~FOUO~~

DISRUPTIVE RESEARCH

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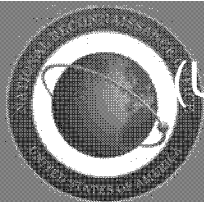
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~~TOP SECRET//SI//TK//REL TO USA, FVEY~~



(U) SENTIENT – GEOINT Related Activities

• Programs:

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

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DISRUPTIVE RESEARCH

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

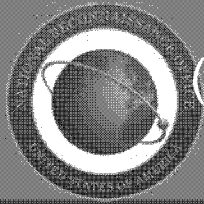
- Patterns of Life (POL)
- Segmentation prior to [redacted]
- Size threshold evaluation
- Shadow integration for [redacted]
- [redacted] tipping
- [redacted]

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

- [redacted] tipped
- Air Domain Awareness
- Maritime Domain Awareness
- [redacted] Activity
- Missile Activity
- WMD
- UAV
- [redacted]
- [redacted]

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(U) SENTIENT – SIGINT Related Activities

• Programs:

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

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DISRUPTIVE RESEARCH

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

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

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

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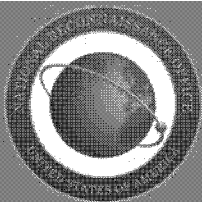
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(U) SENTIENT

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

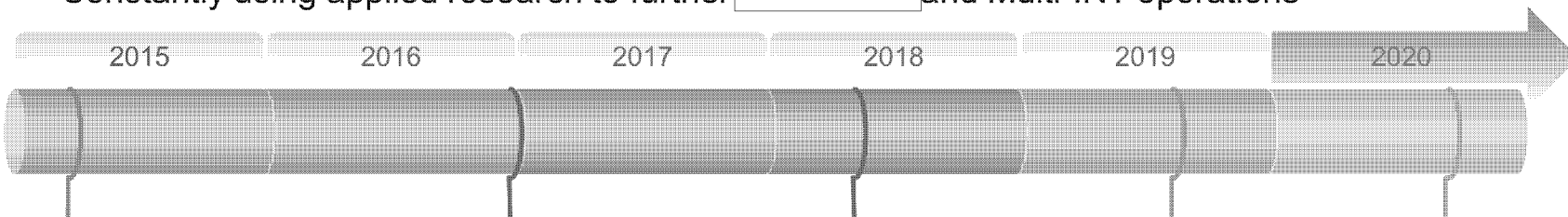
- Current collaboration from: AS&T, GED, SAO, [redacted] MOD, MID, MOD [redacted]
[redacted]
- Provides GED with tech solutions to help meet the [redacted] vision

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

- Constantly using applied research to further [redacted] and Multi-INT operations

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(U) HOW TO CONTACT:

- Director: [redacted]
- Deputy Director: [redacted]

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DISRUPTIVE RESEARCH

~~TOP SECRET//SI//TK//IMCON/REL TO USA, FVEY~~