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HOMELAND SECURITY EXPERTS GROUP (HSEG)

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2021 HOMELAND SECURITY ENTERPRISE FORUM

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PLENARY SESSION 8:

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CRYPTO CURRENCIES AND RANSOMWARE

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WITH DANTE DISPARTE, KRISTINA LITTMAN AND GEORGIA QUINN

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Salamander Resort

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Middleburg, Virginia

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1 Plenary Session 8:

2 Crypto Currencies and Ransomware

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4 MR. CLARK: There we go. Okay, good
5 afternoon, and welcome to the single greatest plenary
6 session of this 2021 Homeland Security Enterprise
7 Forum.

8 (Applause)

9 MR. CLARK: I hope I didn't overhype it, did
10 I? Anyway, my name is --

11 UNIDENTIFIED SPEAKER: (Cross talk).

12 MR. CLARK: That's right. The bar is high.
13 My name is Rob Clark and I lead our Department of
14 Homeland Security practice at TransUnion. And
15 TransUnion is very proud to introduce this panel and
16 our work with DHS on a number of important issues. And
17 none such important issues as ransomware and
18 cryptocurrency. If you're following the news at all,
19 you've seen the high spike in ransomware attacks on the
20 U.S. from critical infrastructure, obviously, the
21 Colonial Pipeline incident, to healthcare to everything
22 in between. And at the same time, cryptocurrency is

1 becoming a more legitimate form of -- part of our
2 economy.

3 So, this next panel is going to talk about the
4 intersection of these two important trends. And again,
5 it's my great honor to introduce Juan Zarate.

6 (Laughter)

7 MR. CLARK: I messed him up. Zarate.
8 Incredible man. A lot of great accomplishments, number
9 one, proud HSEG member, right? But of course, he was
10 the Deputy Secretary, Deputy National Security Advisor
11 from 2005 to 2009. He's an author. He's the current
12 global co-managing partner of K2 Integrity. It's going
13 to be a fantastic discussion. Thank you so much.
14 Let's give it up for, Juan. Juan, thank you very much.

15 MR. ZARATE: Thank you, Rob.

16 (Applause)

17 MR. ZARATE: Rob, thank you very much.
18 Appreciate the heightened expectations for the panel,
19 always appropriate. But let me start first by thanking
20 you Rob, for the great introduction. Rob Walker, you
21 and the entire team here, I'm honored to be a part of
22 the HSEG group. Jane, your leadership, Michael

1 Chertoff's leadership, thank you.

2 I can't tell you how refreshing it is to be in
3 the same room with friends, colleagues, new friends.
4 There's a lot of energy, great ideas. And I'm proud to
5 be moderating this session, hopefully adding to the
6 ideas into the introspection as to where we are with
7 the Homeland Security Enterprise.

8 When Rob and the team were putting this
9 conference and forum together, we thought it had to be
10 a panel on a discussion, where we talk not just about
11 ransomware, which we've heard a bit about throughout
12 the conference and throughout the forum, but the
13 intersection between the rise of ransomware and
14 cryptocurrency.

15 And as Rob mentioned in the introduction, the
16 intersection of both the increase in volume in
17 ransomware attacks, according to chain analysis, an
18 increase of about 350 percent over the last year in the
19 number of attacks, hundreds of millions of dollars in
20 Bitcoin or crypto paid as a result. But meanwhile, the
21 legitimation and the increase in the crypto economy,
22 where the crypto economy is now clearly a part of the

1 financial system in various ways. And so, we wanted to
2 put this panel together to enlighten as to what's
3 happening at that intersection, and how to think about
4 both the opportunities and the risks and
5 vulnerabilities.

6 And I'm honored to be on this panel and
7 moderating this panel with three great professionals
8 who touch this environment in different ways. And I
9 think you're going to see and understand the different
10 perspectives.

11 Two of the panelists are joining us via video.
12 So, welcome to Christie Littman, who is the Chief of
13 Cyber Security at the SEC, the Division of Enforcement.
14 Christie is responsible as a regulator for cyber
15 security for the SEC. So, you can imagine all of those
16 responsibilities. But she's also watching very
17 carefully the crypto economy and the SEC, obviously has
18 something to say about the regulation of the crypto
19 markets.

20 We also have Georgia Quinn, who is the General
21 Counsel of Anchorage Digital, sometimes known as
22 Anchorage Bank for good reason, because in January of

1 this year, Anchorage was afforded the first license as
2 a National Trust Bank by the OCC to be able to house
3 and service crypto. And so, they are a crypto bank, if
4 you will, able to service crypto assets. So, Georgia,
5 welcome as well.

6 And last but not least, my compadre here on
7 stage, Dante Disparte, who is the Chief Strategy
8 Officer, Chief of Global -- Head of Global Policy for
9 Circle. Those of you who follow the crypto industry,
10 you know that Circle is one of the leading virtual
11 asset service providers in the sector. In addition,
12 they are the backer of USDC, the stablecoin, which is
13 much in the news and much -- predominant in the
14 marketplace, and also moving to become a registered and
15 recognized bank.

16 So, we've got three great professionals who,
17 on a daily basis, touch these issues and these risks,
18 and we're going to talk to them about how they're
19 seeing the environment. So, welcome to all of you.

20 Let me set the stage for just a second. Give
21 me that prerogative. I've been very fortunate in my
22 government career, I was a Senior Treasury Official,

1 Senior White House Official. In the private sector,
2 I've been watching and working with the crypto industry
3 very carefully since 2014. I've been an independent
4 advisor to Coinbase, which made news this year going
5 out with its IPO competitor, vast, but also a
6 collaborative, vast competitor to Circle.

7 And what we see in the environment is not just
8 the rise of ransomware. And as Chris Inglis said
9 yesterday, two for the price of one cent of what
10 ransomware now is, which is a source of profit and
11 avarice for criminals, state, non-state actors alike,
12 but also a source of national and Homeland Security,
13 vulnerability, both putting at risk the confidence of
14 our core systems, but also literally putting at risk,
15 the accessibility of key infrastructure.

16 Colonial Pipeline struck, obviously,
17 everyone's consciousness. It was very clear that
18 ransomware was no longer just a business nuisance, no
19 longer just this undercurrent of cyber threat that
20 people were dealing with quietly. But now suddenly,
21 emerged as something critical to our national and
22 Homeland Security.

1 But with all that, we also know that crypto is
2 not only a legitimate part of the financial system, it
3 also enables ransomware. We know that ransomware is
4 the malware that holds data or systems hostage from the
5 owner, requiring then payment. And we know most of the
6 payments in the ransomware context come in the form of
7 crypto.

8 So, raises numbers -- a number of questions,
9 additional questions about how we should think about
10 the crypto environment with the rise of ransomware
11 threats. And that's what we want to talk to you about
12 today.

13 So, let's start first with Christie via her
14 office at the SEC. Christie, if you could talk to us
15 from your vantage point at the SEC as to how you view
16 the ransomware threats? What are the threats that
17 concern you? And what cases have you seen that the SEC
18 has focused on in recent months?

19 MS. LITTMAN: Sure. Thank you. And thank you
20 for that introduction. Sorry, I can't be there with
21 you today. We are still in a mission-critical only
22 travel status at the SEC. I also have to give my

1 standard disclaimer that that most government employees
2 have to give when they're speaking at these events.
3 The views I express today are my own. They do not
4 necessarily reflect the views of the commissioner or
5 the staff.

6 Back to the question at hand now. I think,
7 you know, the thing that the SEC is most concerned
8 about when we see ransomware attacks, or really any
9 type of cyber security incident is typically around
10 disclosure when we're talking about a public issuer.

11 So, public issuers obviously have obligations
12 to provide certain disclosures to their investors. And
13 they also have responsibilities to maintain internal
14 accounting controls around their assets. And so that's
15 another area that we look at. And we look at trading.
16 So, we might look to see if it's a public issue or if
17 there is a threat actor out there trading around the
18 cyber incident, or if their internal company personnel
19 that are trading around it. Obviously, when your
20 company gets hit, you're trying to get your arms around
21 it. Your IT folks often have a lot of information that
22 maybe isn't available to the public yet and sometimes

1 we see trading, so we look at that.

2 But I would say for the folks here today,
3 probably disclosure is the biggest area of concern for
4 you, right? So, we're going to want you to make
5 disclosure to your investors if you have experienced a
6 material events, and you know, Juan kind of alluded to
7 what some of the harms are that can range, or that can
8 result from one of these incidents. It's not always
9 just, you know, I think there are a lot of ways to kind
10 of slice and dice whether something is material. But I
11 think when you're making that assessment and deciding
12 whether or not you have a material incident that needs
13 to be disclosed, you need to look at the full range of
14 harm. You know, it may be financial performance, but
15 it may also be reputational or customer vendor
16 relationships. It may be the type of event that
17 results in litigation or regulatory consequences.

18 And so, you know, you should really be
19 thinking about all of those when you're deciding
20 whether or not you have something that needs to be
21 disclosed. And we've brought a few cases recently that
22 I think illustrate this.

1 The first is against a company called First
2 American Financial Corporation. And that was -- this
3 is a settled action. It's a real estate settlement
4 services company, who had -- it wasn't a ransomware
5 attack, but it was a cyber security vulnerability that
6 exposed sensitive customer information and a journalist
7 notified First American of the vulnerability, which had
8 expose over 800 million images dating back to 2003, and
9 including images with PII, social security numbers,
10 financial information, things like that. And they
11 issued a press statement, 8k to the commission in the
12 following days. The issue that we had in this case was
13 that the senior executives who were responsible for the
14 public statements were not apprised of certain
15 information that was relevant to their assessment of
16 the company's disclosure and response to the
17 vulnerability and the magnitude of the risk.

18 Specifically, the company had security
19 personnel and the company had information about the
20 vulnerability stuff several months earlier, and had
21 failed to remediate this vulnerability and senior
22 executives of the company were never informed of that.

1 So, when the journalist reached out and they made kind
2 of reactive disclosures, they didn't have the relevant
3 information about the kind of preexisting vulnerability
4 that they'd had on their system for some time. So, we
5 charged them with disclosure control violations and
6 assessed a penalty.

7 Another example is a case that we brought this
8 summer against a U.K.-based company that issues in the
9 U.S. called Pearson. It was a London-based educational
10 publishing company. And in that instance, again, we
11 had a journalist reaching out to them, they had a 2018
12 cyber intrusion, where millions of student records had
13 been exfiltrated, or had been accessed and included
14 dates of birth and e-mail addresses. And when they
15 were approached by the media, they had kind of a
16 reactive media statement in the can already that they
17 issued. But it turned out that that media statement
18 was not quite fulsome and accurate. And so, our order
19 found that it kind of essentially understated the
20 nature and scope of the incident and overstated the
21 company's data protections.

22 So, you know, the message there is just, you

1 know, when you are -- when you decide that you do have
2 to make a disclosure to investors, you've got to make
3 sure it's fulsome and accurate. In that case, it
4 resulted in a negligent fraud charges, and a million
5 dollar penalty was assessed there.

6 MR. ZARATE: Christie, let me weigh back in
7 here. Because I think your point about disclosure is
8 critical. I want to come back to this as we talk about
9 the way forward, because I think one of the themes
10 we've heard in the conference and Chris Inglis
11 references is kind of the challenge of dealing with the
12 government when the government's both the regulator and
13 enabler, right, and how to think about that. So, I
14 want to come back to that, given the cases you're
15 referring to and others.

16 I want to turn to Dante now. Dante, I want
17 you to give the audience a sense of how you see the
18 crypto environment, how ransomware touches the world
19 that you live in on a daily basis and how you think
20 about that intersection of ransomware and crypto?

21 MR. DISPARTE: Sure. Well, thank you, Juan.
22 And it's a really a great honor being amongst so many

1 Homeland Security leaders, especially during a time of
2 solemnity and solidarity, marking 20 years since 9/11.
3 So, I came at the crypto industry initially through a
4 background of insurance, resilience, technology and
5 national security. So, I've been sort of looking at
6 the ransomware question, years before it became a
7 thing. And in so many ways, I think right now just for
8 level setting, and I'll answer the question also about
9 what are the actors in the ecosystem. But in so many
10 ways, I think the argument that crypto equals
11 ransomware, smacks a little bit of convenience and it's
12 missing the deeper vulnerability.

13 Correlation does not equal causality. More
14 ransomware is triggered by e-mail, as the vector of
15 attack and exploits that arise between the keyboard and
16 the chair, then what method of payment may be used to
17 settle a transaction to the extent the ransomware even
18 has an economic motive in mind. So, we have to really
19 start to correct what is today a very convenient
20 clickbait sort of approach to telling a story. That
21 is, you know, equating this scourge of ransomware with
22 a means of payment on the internet, because millions of

1 options exist for how people might exact and extract
2 financial rents, but not nearly enough time is spent
3 asking and answering hard questions, which we of
4 course, started in this conference about underlying
5 cyber vulnerability.

6 And so, in the crypto industry, I actually
7 think there's also a lot of the actors in the space are
8 starting to normalize, what I'm characterizing as a
9 blue checkmark moment, you see the exchanges, the
10 digital asset service providers, the digital wallet
11 providers, traditional financial services firms,
12 whether they're Visa or MasterCard, and many other in
13 between are actually leveraging this technology as a
14 core upgrade to legacy financial systems, which are
15 themselves vulnerable and themselves are falling prey
16 increasingly to not only technological obsolescence,
17 they're falling prey to a host of risks in their own
18 right. And so, in so many ways, this novel 12 year old
19 technology, blockchain and the financial innovations
20 it's helping to underscore, represents the very type of
21 national security resilience and economic
22 competitiveness we have called for in the last day and

1 a half of this conference, and then putting that at the
2 core of the financial system, not as competition, but
3 as completing unfinished work. I think these are an
4 important counter narrative to the argument that crypto
5 equals ransomware. That's big point one. And I do
6 think a lot of those actors are starting to coalesce
7 around that.

8 The other very, very novel concept here is
9 that unlike when you wrote treasuries war and when you
10 helped lead -- I told you I would mention it.

11 MR. ZARATE: (Inaudible).

12 MR. DISPARTE: Unlike when you wrote
13 treasuries war and you helped lead the post 9/11
14 financial crime compliance framework.

15 MR. ZARATE: I didn't ask him to do this, by
16 the way.

17 MR. DISPARTE: I get a royalty every time I
18 mention it on stage. The advent of public internet-
19 based financial ledger's, blockchain technologies used
20 for payments and finance is actually creating an
21 ability to, I think, improve exponentially the types of
22 gains we could have in combating illicit finance,

1 countering financing of terrorism, anti-money
2 laundering and a whole host of big activities. The
3 reason why is that if you wanted to launder billions
4 and billions of dollars, you can call opaque, global,
5 competitive banks using analog rails to do so. It's
6 increasingly difficult and there's a lot of evidence --
7 and I suspect we'll get into it in the panel, it is
8 increasingly difficult to leverage a public transaction
9 that is internet available to anybody in the world to
10 see, to conduct illicit activity and crime. It's a big
11 counter narrative, but I often think these types of
12 points are missed when you talk about crypto and
13 ransomware.

14 MR. ZARATE: Well, to your point, you know, in
15 the Colonial Pipeline case, we know that 75 bitcoins
16 were paid, at the time about \$4.4 million worth. DOJ
17 after the announcement of the ransomware, about a month
18 later, announced that they had clawed back 64 of those
19 bitcoins, were able to track the wallet, seize it and
20 pull it back. So, to your point, a degree of an
21 ability to track and trace in a way that you might not
22 otherwise be able to, for example, the cash drop or

1 something else in a conventional context.

2 The other thing that, Dante, I think you
3 mentioned, which is important for the audience to
4 notice, the emergence of a legitimate sector, right,
5 that the crypto economy emerging as a legitimate part
6 of the financial system requires legitimate actors,
7 requires more regulation, requires enforcement, the
8 type that Christie was talking about. And you have
9 lots of regulators now looking at this and looking at
10 ransomware. You have OFAC, FinCEN out with guidance,
11 et cetera.

12 With that, I want to turn to Georgia.
13 Georgia, you're the General Counsel of Anchorage
14 Digital. So, you're right in the middle of dealing
15 with federal banking regulators, looking at what
16 regulators in the U.S. and around the world are asking
17 for. You're also seeing the marketplace deal with
18 ransomware. Can you talk to the audience about what
19 you're seeing in the marketplace and frankly, what you
20 worry about given your role as the GC for the first
21 ever, you know, National Trust Bank dealing with
22 crypto?

1 Georgia? I think you're on mute, Georgia.

2 MS. QUINN: Of course, I am.

3 (Laughter)

4 MS. QUINN: The first time I've done this.

5 I'm so sorry about that, guys. Listen, I just wanted
6 to thank you, Juan, for inviting me to this. This is
7 such a great event. And Dante, I have to thank you for
8 making that very important point of clarification and
9 separating ransomware from cryptocurrency. They are
10 two completely different things. Causation is not
11 causality. And I'm so glad we're able to spread that
12 message today.

13 When I think about how, you know, what we deal
14 with, as a bank, we're really merging these two worlds
15 of, you know, very highly regulated financial
16 institution and cutting-edge technology, cryptocurrency
17 space. Oftentimes, those things can be at odds. And I
18 think when we look at ransomware and other types of,
19 you know, nefarious activities, it really puts a very
20 fine point on that. And one thing that we have
21 experienced is traditional insurers and security firms
22 that are, you know, have already been in this space,

1 where they insure against these types of bad acts, are
2 looking to legitimize as we've been kind of saying,
3 their procedures around how they actually have to
4 ultimately go out paying out to these bad actors in,
5 you know, some sort of payables sort of event. And
6 they're looking to partner with, you know, financial
7 institutions, or, frankly, you know, some party that
8 can assist with, you know, both the custody and then
9 the settlement of these types of payments, but then, of
10 course, have the ability to continue to track and trace
11 as was done with the Colonial Pipeline event, and, you
12 know, ultimately, potentially prevent at least the loss
13 event.

14 And so, we think about that, and that sounds
15 like a great idea, right? Like, we would get to be
16 superheroes and help, you know, spoil these bad actors
17 plans. But then we think about the Bank Secrecy Act
18 and our requirements as a federally regulated financial
19 institution. And we know that we cannot engage in
20 those types of activities, because they would violate
21 all of our AML procedures, like we actually know that
22 we are engaging in, you know, a bad act, and paying to

1 I'm sure, some, you know, probably sanctions
2 individual. And we, you know, we'd like to think about
3 -- and to go back to the just immediate panel that was
4 before us, some type of public private partnership,
5 potentially, to allow these regulated institutions to
6 assist the government with these kinds of activities,
7 this tracking and tracing as this type of activity is
8 becoming more prevalent.

9 And then just to take it a step further,
10 because, you know, we're not just talking about
11 ransomware, we are talking about, you know, the full
12 scope of national security. We'd like to implement the
13 Bank Secrecy Act and these types of procedures
14 throughout the cryptocurrency ecosystem. And we think
15 this can only be done through, you know, obviously,
16 these institutions embracing regulation, but also
17 regulators embracing those institutions.

18 And we, you know, frankly, we think we need
19 more federally regulated crypto banks, not less, even
20 though that might be a bit detrimental to us from a
21 competition standpoint, we actually think that in order
22 for these regulations to properly function, they need

1 to have, you know, we need to have a network of these
2 regulated institutions that can talk to one another,
3 and, you know, transmit assets to one another,
4 utilizing the full scope of the Bank Secrecy Act. We
5 kind of call it the manifest destiny of the Bank
6 Secrecy Act. And it really only works when you have a
7 lot of institutions under the same regulatory umbrella.

8 MR. ZARATE: Georgia, thank you for that. And
9 I think what you just described is the manifest
10 destiny, the Bank Secrecy Act has been part of a
11 broader debate in the, you know, financial regulatory
12 world around stronger, deeper, more dynamic information
13 sharing along the lines that we've talked about in
14 cyber in the cyber domain. So, it's really
15 interesting. You should talk about it in those terms,
16 because I think it's important.

17 Christie, I'm going to come back to you in
18 just a second to talk through how you with the SEC, and
19 maybe even the government reviewing collaboration,
20 which is a key word we've been using in this forum,
21 collaboration with the regulated sectors? Obviously,
22 you've got to police them. You've got to monitor. You

1 have to enforce. But what -- where collaboration is?
2 But before that, Dante, I want to come back to you on
3 this question of the ecosystem.

4 Can you, from your vantage point, explain to
5 everybody what the ecosystem looks like? We know what
6 the bad actors look like for the most part, right? We
7 know what the state actors look like. We know the
8 Russians were behind NotPetya in 2017, WannaCry, the
9 North Koreans same year. We know DarkSide was behind
10 the Russian organized group behind the Colonial
11 Pipeline. It's other groups like FiveHands and Revil.
12 I mean, it sounds like Marvel villains.

13 (Laughter)

14 MR. ZARATE: Talking about superheroes,
15 there's Marvel villains out there. But they're real
16 world, you know, hackers and ransomware groups. Can
17 you speak to the environment and lay out the scope?
18 Because I want to get to this question of what does a
19 more proactive public/private partnership or model look
20 like?

21 MR. DISPARTE: Sure. And I suppose in being
22 asked the question, I need the disclaimer that, that I

1 don't know who all the bad actors are.

2 (Laughter)

3 MR. DISPARTE: But I do know that we have
4 increasingly good tools and sort of forensics and a
5 number of approaches that are becoming normalized, and
6 how to combat them. So, I think crypto as a means of
7 payment for ransomware really took center stage with
8 the WannaCry attack. And the WannaCry attack again,
9 partly driven by e-mail being the payload and being the
10 sort of delivery vector, and then partly driven by
11 exploits discovered by the U.S. government, in
12 unpatched software platforms and Microsoft, but
13 nonetheless, it was payable in Bitcoin. And over the
14 course of a weekend, the WannaCry attack went from zero
15 to 150 countries and collapsed entire sectors, if you
16 will, especially the health care sector in the U.K.

17 Now, the economics of it are about \$70,000
18 worth of Bitcoin was retrieved, payable to anonymous
19 wallets. But because we could track and trace in near
20 real time, it became increasingly difficult to extract
21 the funds and launder the money and get the money out.

22 The second order economic effects however, and

1 this is really important. The second order economic
2 effects may have been between \$2 and \$4 billion,
3 nothing to do with the attack itself, nothing to do
4 with a ransomware attack for economic gain, everything
5 to do with underlying cyber vulnerability, lack of
6 redundancy, lack of systems, lack of backup, lack of
7 patching, keyboard and the chair, basic cyber hygiene.

8 And so, all of that to say the bad actors are
9 manifold. I've spent an enormous amount of time with
10 Secretary Ridge, sort, of looking at cyber resilience.
11 The actor has to be right once. You have to be right
12 100 percent of the time to avoid the risk. The other
13 piece of the puzzle with the advent of the prospect of
14 cyber terrorism, where there is zero economic motive,
15 and the only goal is to sow havoc, or distrust and to
16 use these same delivery methods, but they have no
17 economic motive. Who cares if you don't or cannot pay
18 in cryptocurrency or Bitcoin if the attack is
19 politically motivated. That's where we have to address
20 the underlying cyber vulnerability.

21 The last quick point I would make, maybe I
22 completely ignored your question conveniently.

1 (Laughter)

2 MR. DISPARTE: The last quick point I would
3 make, because I think this is the nexus of U.S. policy
4 responses. It's exactly what our colleague from
5 Anchorage just mentioned, right? That today, we asked
6 Colonial Pipeline to answer for its cyber resilience.
7 And -- but meanwhile, the real exposure is a systemic
8 exposure, kind of like the failure of one bank erodes
9 confidence in banking. But we don't ask all banks in
10 America to become resilient on their own. We figured
11 out over years since the Great Depression, how to
12 federalize and neutralize certain responses. I think
13 cyber warrants a similar posture. So, I have a white
14 paper for the National Defense University on this
15 concept of a cyber-FDIC, destigmatize threat reporting,
16 neutralize economics and risk sharing, and start to
17 create a posture in which is deep public private
18 collaboration. Until we do that, the exposure is never
19 going to go away. And every sector, the large and
20 small, is at the mercy of this type of vector of
21 attack.

22 MR. ZARATE: Dante, well said. Christie, I

1 want to turn to you on this question of both regulation
2 and enforcement, plus collaboration, feeding off of
3 what Dante just laid out.

4 We know DOJ and DHS have the ransomware task
5 forces, The White House has elevated this issue to an
6 issue of national security import. From your vantage
7 point, how do you view that balance between needing to
8 regulate in a traditional way but also needing to
9 collaborate to protect the U.S. financial and
10 investment market?

11 MS. LITTMAN: It's a great question. I think,
12 you know, I don't think that they're mutually
13 exclusive. I think, you know, when we recognize that
14 the SEC that it's a company, a public company, or a
15 registered broker/dealer, investment advisor, has
16 experienced a cyber incident that they're the victim.
17 So, you know, while we balance that against their
18 obligations to investors to provide adequate
19 disclosure, or in the case of a registered investment
20 advisor, broker dealer, their obligations to have
21 policies and procedures in place to protect customer
22 information, we recognize they're victims. We

1 recognize that they're in the middle of, you know, a
2 cybersecurity incident that they're trying to get their
3 arms around. They're trying to understand the scope of
4 it and stop it. So, we don't expect their disclosures
5 to include, you know, technical information about the
6 systems or the network or the devices that are
7 breached. We don't want them to expose potential
8 systems that may have vulnerabilities, things like
9 that. We don't want them to -- we want them to
10 remediate incident. We don't want them to provide a
11 roadmap for other threat actors. And for our part, we
12 are also looking for those threat actors, right, to the
13 extent that that those threat actors are trading on
14 information, relating, right, if they're committing
15 insider trading relating to the attack, we're on the
16 lookout for that. So, we're always looking for trading
17 around these incidents as well for our part.

18 And I'll say, you know, touching on one of the
19 points that Georgia raised about, you know, kind of the
20 market structure aspect of digital assets, which are
21 obviously often used to pay for these ransomware
22 attacks. We also are looking to partner with private

1 industry there. Our chair has been very open recently
2 about wanting these entities who are often currently
3 operating outside of the regulatory regime, wanting
4 them to come in and register with us. If you're
5 operating in exchange for digital assets, or some other
6 market intermediary where you're transacting in digital
7 assets, you should come talk to us and see how you fit
8 into our regulatory regime, so that you can be a
9 trusted participant in the financial markets.

10 MR. ZARATE: Thank you, Christie. Georgia,
11 let me come back to you on what you're seeing in the
12 marketplace. Because you're touching different aspects
13 of it, obviously, from the regulatory standpoint. But
14 you're also seeing the private sector actors that are
15 having to deal with the realities of being attacked and
16 having ransomware attacks and having to potentially
17 make payments. Can you speak a little bit to the
18 audience about what you're seeing and what you're
19 hearing in the marketplace? And frankly, how you're
20 thinking about it from an institutional perspective?

21 MS. QUINN: Sure. So -- and Dante hinted at
22 this a little bit earlier, but what we're seeing is a

1 like plethora, extreme growth in tools and forensic
2 services, to be able to trace these assets. And so,
3 where I would, you know, like, two or three years ago,
4 it was, you know, pretty, pretty slim chance that you
5 were going to be able to find these assets and know,
6 you know, who maybe the ultimate beneficial owner of a
7 wallet was, and now we have just an incredible
8 capability to trace this.

9 And one really unique feature of digital
10 assets, which kind of sets it apart from traditional
11 banking are the forward and backward ability to track
12 every single transaction that's ever taken place in the
13 lifecycle of this asset. So, when you're, you know,
14 doing transaction monitoring at a bank, like just a
15 traditional bank, you have a very slim snapshot of
16 what's taking place within that bank. You know where
17 that extends assets to, and you know where that bank
18 proceeds assets to, but you don't know the third and
19 fourth and fifth step after that, versus with digital
20 assets, you can see in a very transparent way where
21 that asset has been since the moment it was minted or
22 mined, to, you know, where it sits today. And having

1 that capability is extremely powerful. And we are, you
2 know, just now developing the analytical tools to use
3 it, you know, in a way that's very, very helpful to
4 trace these nefarious acts.

5 One other thing I wanted to make sure we
6 touched on, again, kind of broadening the scope of the
7 discussion to the greater kind of national security
8 topics is this, the advent of stablecoins. And this,
9 you know, there have been a lot of discussions about
10 this lately. And I know, Treasury and the President's
11 working group are looking into this asset class very,
12 very carefully. At Anchorage, we really believe that
13 stablecoins have the opportunity to further our
14 national interests and strengthen the security of both
15 our financial system and just the general welfare of
16 the United States, in that, because the majority of
17 stablecoins are backed by the U.S. dollar, and to the
18 extent we can continue to promote those types of
19 stablecoins, it allows the U.S. to play a very dominant
20 role in the global financial system. We mentioned
21 earlier that, you know, with crypto, there are no
22 borders. It doesn't stop. You need at least a federal

1 if not global, regulatory overlay. And to be able to
2 utilize the U.S. dollar to be the global currency of
3 choice would really allow the U.S. to continue its
4 dominance in the financial sector. And to the extent
5 we choose not to pursue a digital, you know, stablecoin
6 or similar asset, we feel that it could, you know, lead
7 to a lot of detrimental, you know, consequences for not
8 just our financial system, but our national security as
9 well.

10 MR. ZARATE: Georgia, I'm glad you raised
11 that, because the question of America's ability to
12 retain its predominance in the financial commercial
13 system, its ability to define norms internationally,
14 regulates the cornerstone of U.S. power, the ability to
15 use sanctions, anti-money laundering rules, all the
16 things we've done traditionally, not to mention
17 innovation and all the rest for our economy.

18 So, I'm glad you raised it, because in many
19 ways, the crypto domain represents the domain of
20 competition internationally. And Dante, you've written
21 about this, you've thought about it obviously at
22 Circle. You've issued USDC, which is one of the

1 stablecoins that Georgia is referencing. And we're
2 seeing globally a question and a competition, if you
3 will, around central bank digital currencies, and
4 China's talking about it. Russia's talking about it,
5 the Feds thinking about it. So, how do you think about
6 that global competition, Dante, and the role of
7 stablecoins?

8 MR. DISPARTE: Yeah. Well -- and I'm grateful
9 to Georgia as well for bringing that point up. Because
10 right now, in the policies sort of apparatus of our
11 financial system, there is a conversation and more than
12 a conversation and experimentation taking place called
13 Project Hamilton, on whether or not the United States
14 should try to out China, China on building a digital
15 dollar of its own. In the interim, there is this
16 entire \$100 billion or more of dollar reference digital
17 currencies that are in existence of which the one I
18 support, a project called USDC is about \$30 billion of
19 dollar reference digital currencies. That private
20 sector is existing, it thrives, it's globally
21 competitive.

22 And the big public policy questions I think we

1 need to answer are, do our financial needs take bank
2 holidays? Do they stop? Look backwards at COVID-19 in
3 the onset in a domestic setting, and think about the
4 things we could not do as a country with the movement
5 of money at population scale. \$6.6 trillion of
6 intervention later, the people who were the most
7 vulnerable, all of our country was subjected to getting
8 a physical check. We couldn't execute a domestic
9 payment in real time, we couldn't do it in a free way,
10 we couldn't do it in a peer-to-peer manner. To me,
11 that's a domestic national security vulnerability. And
12 then we can't do that at population scale around the
13 world, but for the very technologies that we've been
14 discussing here. And so, I think failure to continue
15 innovating, failure to pull these innovations on side
16 and increasingly build them, I think, to the points
17 that we were making earlier inside the line of sight of
18 U.S. regulators, U.S. values, U.S. principles, would be
19 to miss out on what the future of money and payments
20 looks like.

21 MR. ZARATE: Yeah, I think we have a very
22 natural segue for the next forum, where we have to talk

1 about the national security implications, positive
2 negative of the crypto economy writ-large, and you've
3 already touched on a number of them.

4 Let me open it up. We only have a few minutes
5 here. But I want to open it up to the audience for any
6 questions for our three, deep subject matter experts.
7 I'm happy to pretend and weigh in. And let's see if
8 there any questions. If not, I'm happy to add, ask
9 more questions on my own.

10 All right. Well, let me ask this. Georgia,
11 you alluded to a desire to have a more proactive sort
12 of engagement with regulators. In a maximalist sense,
13 what does that look like? What would be your dream
14 world for how we collaborate in the ransomware context
15 and in the crypto economy?

16 MS. QUINN: Thank you for that. So, I think
17 what would be ideal is a partnership where we would
18 work hand in hand with law enforcement, and we would
19 provide the technology and the infrastructure that
20 allows for the custody and the payment of the asset, in
21 addition to the tracking and tracing and utilize, you
22 know, what law enforcement does best, which is, you

1 know, go get the bad guys, and be able to not be in
2 violation of our Bank Secrecy Act duties. I think that
3 there's a huge promise for this type of product.
4 Again, not just from the, you know, the kind of demand
5 that we've seen, but just the commonsense reality of
6 it. I mean, we saw what happened with Colonial
7 Pipeline. If we could do that each and every time one
8 of these ransomware payments had to be made, it would
9 probably prevent, you know, the utilization of
10 cryptocurrencies as a payment for ransomware, not
11 ransomware itself.

12 MR. ZARATE: It's great answer. Let me ask in
13 the closing seconds here, a lightning round of both
14 Christie and Dante. There's one thing you would wish
15 for in dealing with the threat of ransomware and
16 obviously, the growth of the crypto economy. What
17 would you want to see happen, whether it's on the
18 government side or the private sector side? Christie,
19 what do you think?

20 MS. LITTMAN: I think specifically with
21 respect to SEC registrants like investment advisors and
22 broker dealers, what we want to see are policies and

1 procedures that are designed to protect customer
2 information.

3 MR. ZARATE: Got it. Dante?

4 MR. DISPARTE: And for me, simply put, we need
5 the digital fire brigade here. And we need them to be
6 able to work together collaboratively, irrespective of
7 the size of their firm, whether in the public or
8 private sphere, we need the digital fire brigade here.

9 MR. ZARATE: Rob Walker with your indulgence,
10 I'm going to take one question. One question, sir,
11 please. With the mic. Thank you.

12 MR. WATERMAN: Hi. I'd like to ask the panel
13 what -- now that the White House has decided that this
14 is a national ransomware, is a national security
15 threat, what capabilities of the intelligence community
16 and the national defense establishment would they like
17 to see brought to bear on this problem that aren't
18 being brought to bear right now?

19 MR. ZARATE: Sir, it's a great question. Your
20 name please, in affiliation.

21 MR. WATERMAN: Shaun Waterman. I'm a
22 journalist with README.

1 MR. ZARATE: Perfect. Thank you, Shaun.
2 Georgia, you first, Christie, then Dante. Quickly.

3 MS. QUINN: So, just so I understand the
4 question. What does the White House Want to see? Or
5 what do we want to see?

6 MR. ZARATE: What would you want to see in
7 light of the White House's actions and calling this a
8 national security priority? What would you want to see
9 from the intelligence community and others?

10 MS. QUINN: I would like to see resources
11 allocated to our particular asset class specifically,
12 you know, to do private partnerships, as I mentioned,
13 and also make sure that research education is done, you
14 know, throughout all levels of government to actually
15 understand the power of this asset. And, you know,
16 really, I mean, it's such a perfect solution to this
17 problem when you think about the ultimate transparency
18 of blockchain. And so just the ability to have
19 resources to continue to further develop these tools
20 that we're using, and, you know, put these kind of
21 sting nets into place.

22 MR. ZARATE: Christie, posing the question to

1 you. Anything you'd want to see from the IC or the
2 national security establishment to support you and the
3 work you do?

4 MS. LITTMAN: I think it's important that we
5 continue the kind of public private collaboration that
6 you have been talking about today, sharing information,
7 sharing ideas, and really, you know, working together
8 with some of the groups that the presidential working
9 group has already spun off. Certainly, we at the SEC
10 are committed to doing that.

11 MR. ZARATE: Great. Dante?

12 MR. DISPARTE: Quickly, I would just say two
13 things. First, the Chinese have chosen to have a
14 digital renminbi or the Yuan on the internet, and
15 they're exporting it through the Belt and Road, and
16 they could process \$60 trillion or more a year in
17 mobile and internet native form. We do not have an
18 answer as a policy matter. And I think that's one item
19 that should come from the White House.

20 The second is we need a privacy preserving way
21 of having digital identity. And the use of money in
22 all of its forms should be the -- should inherit the

1 presumption of privacy in a series of first principles.
2 We don't currently enjoy that today. And I think that
3 too, is a major vulnerability.

4 MR. ZARATE: The closing remarks from me would
5 be that this -- the crypto economy is not going away.
6 It's part of the system. Ransomware is not going away
7 as a threat. And we need to view this as a domain of
8 both competition, threat risk and opportunity and apply
9 the kinds of resources we've done in the
10 counterterrorism context, the cyber context, and the
11 same way that we've done in the anti-money laundering
12 sanctions. Well, we have to apply that to this context
13 in this environment.

14 So, with that, join me in thanking the
15 panelists.

16 (Applause)

17 MR. ZARATE: Dante, Christie, Georgia, thank
18 you very much.

19 MR. CLARK: Juan, just a moment. Jeanne
20 Meserve me to see you, you didn't meet your panel
21 expectations.

22 (Laughter)

1 MR. CLARK: She doesn't understand crypto yet.
2 Let's give it up for the best dressed man in national
3 security, Dante. All right. Quick 10-minute break,
4 folks. Please be back in your seats at five after.
5 We're trying to get back onto schedule. Thanks.

6 * * * * *