

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56

**GOVERNMENT OPERATIONS, PERSONNEL,
INFORMATION TECHNOLOGY & HOUSING COMMITTEE**

OF THE

SUFFOLK COUNTY LEGISLATURE

MINUTES

A meeting of the Government Operations, Personnel, Information Technology & Housing Committee of the Suffolk County Legislature was held in the Rose Y. Caracappa Legislative Auditorium of the William H. Rogers Legislature Building, 725 Veterans Memorial Highway, Smithtown, New York on May 31, 2017.

MEMBERS PRESENT:

Leg. Robert Calarco, Chairperson
Leg. William J. Lindsay, III, Vice Chair
Leg. Kara Hahn
Leg. Leslie Kennedy
Leg. Kevin J. McCaffrey

ALSO IN ATTENDANCE:

George M. Nolan, Counsel to the Legislature
Amy Ellis, Chief Deputy Clerk/Legislature
Benny Pernice, Budget Review Office
Scott Mastellon, Commissioner/Information Technology
Katie Horst, County Executive's Office
John Marafino, County Executive's Office
William Shilling, Aide to Leg. Calarco
Brian Sapp, Aide to Leg. Lindsay
Alyssa Turano, Aide to Leg. Hahn
Ali Nazir, Aide to Leg. Kennedy
Zachary Giglio, Aide to Leg. McCaffrey
Rick Brand, Newsday.
And all other interested parties

MINUTES TAKEN BY:

Diana Flesher, Court Stenographer

THE MEETING WAS CALLED TO ORDER AT 10:09 AM

CHAIRPERSON CALARCO:

Good morning and welcome to the Government Operations, Personnel, Housing and Information Technology Committee. If we could all please rise for the Pledge of Allegiance led by Legislator Lindsay.

SALUTATION

Thank you and good morning. We have no correspondence this morning and I have no cards. Is there anybody in the public who would want to address the Committee this morning during the public portion? Seeing none, we'll move onto -- I have no presentations so we'll move right into the agenda this morning, Tabled Resolutions

TABLED RESOLUTIONS

IR 1368, Establishing a salary savings program for employees excluded from bargaining units. (Co. Exec.) I make a motion to table; second by Legislator Lindsay. All those in favor? Opposed? Abstentions? **IR 1368 is tabled. (VOTE: 5-0-0-0)**

INTRODUCTORY RESOLUTIONS

Introductory Resolutions. IR 1385 Amending Resolution No. 60-2017. (Co. Exec.). I'll make a motion to approve.

LEG. LINDSAY:

Second.

CHAIRPERSON CALARCO:

Second by Legislator Lindsay. Maybe Counsel could give us a brief explanation of what this is amending.

MR. NOLAN:

It's a grant resolution that's being corrected.

CHAIRPERSON CALARCO:

It's fixing a grant resolution. Okay. All those in favor? Opposed? Abstentions? **IR 1385 is approved. (VOTE: 5-0-0-0)**

IR 1407, Appropriating funds in connection with Fiber Cabling Network and WAN Technology Upgrades (CP 1726). (Co. Exec.) Perhaps -- we have Scott Mastellon here with us, Commissioner of IT. Perhaps, Scott, you can come forward on this one and on the next couple of ones give us a little detail of what this project's for and why it's important for us to move forward with this today.

COMMISSIONER MASTELLON:

Thank you very much, Deputy Presiding Officer and good morning everybody. So the first three resolutions that are on the table this morning are funding authorizations for three related projects: 1726, which is our network technology upgrades; 1729, which is disaster recovery; and 1807, which is our network protection security. And just for your reference, you know, 1726 has been an active capital project since 2011; 1729 has been an active capital

1 project since 2008; 1807 has also been an active capital project
2 since 2012. So, therefore, all of these projects are well
3 established with annual funding requirements.

4
5 With a computer network our size, adequate funding is critical to
6 maintain the IT infrastructure in a state of good repair while
7 minimizing risks associated with service delivery. The IT
8 infrastructure is made up of three major components, devices that
9 manage all of our network traffic across the County's network;
10 servers and storage devices that house our applications and our
11 data and security that monitor the traffic and prevent
12 unintentional as well as malicious activities. The majority of the
13 funding in each of these requests are to replace end-of-life
14 devices.

15
16 And what that means is that these devices will no longer be
17 supported by the manufacturer of the particular hardware. We will
18 no longer get updates in firmware or security patches and which is
19 -- these are all critical to these devices to ensure stability and
20 security.

21
22 So if we do not adequately invest in our IT infrastructure, repair
23 costs and repair times will go up significantly and we will
24 increase our vulnerability to malicious activities. Both of these
25 things create significant disturbances and disruptions and
26 liabilities within the County.

27
28 So funding for these projects is critical so that we can maintain
29 our IT infrastructure in terms of overall security, reliability and
30 availability.

31
32 The fourth resolution is to engage the United States Department of
33 Homeland Security to conduct a no-cost to the County risk and
34 vulnerability assessment. This assessment utilizes a defined
35 strategy and methodology for testing, assessing and analyzing
36 targets systems with state-of-the-art tools and highly trained
37 security experts to conduct vulnerability and threat assessment.

38
39 Best practices for implementing security strategies is to routinely
40 perform a risk and threat assessment to both understand and
41 articulate how advance attackers would attack our environment.
42 This assessment is simply a part of our overall security strategy
43 that will assist us in further justifying planning requirements.

44
45 I am requesting that the Committee approve these four requests and
46 I will certainly entertain any questions that you might have.

47
48 **CHAIRPERSON CALARCO:**
49 Anybody have any questions for Scott?

50
51 **LEG. LINDSAY:**
52 I do.

53
54 **CHAIRPERSON CALARCO:**
55 Legislator Lindsay.

1 **LEG. LINDSAY:**

2 Good morning. Thanks for the information. Do we have any critical
3 functions that are accessible to cyberattack, like if someone were
4 to somehow get into our system, shut down our police van or -- is
5 there any critical functions that the County handles that has that
6 vulnerability aspect to it?

7
8 **COMMISSIONER MASTELLON:**

9 We do everything we can to protect the overall network. Are we
10 subject to these potential threats? Absolutely. But it's our job
11 -- and using fundings for these particular projects to identify
12 technologies, procedures, policies and whatnot to ensure that we
13 can protect ourselves to the best of our ability. So I'm not going
14 to sit up here and tell you that we are, you know, ultimately
15 protected for everything. But what I can say is that we're doing
16 everything we can within the funding that we have to ultimately
17 protect the entire network.

18
19 **LEG. LINDSAY:**

20 And I fully understand. I know there's no failsafe but as long as
21 we're doing our due diligence in trying to protect the network as
22 much as possible including our employee information as we've seen
23 time and again organizations all over the world get access through
24 cyberattacks and personal information is put out there and taken
25 from those organizations. In your opinion, are we doing everything
26 we need to do in order to protect that information as well?

27
28 **COMMISSIONER MASTELLON:**

29 Yeah, absolutely. And, again, as part of our security strategy,
30 having these assessments conducted provide us additional
31 information to allow us the ability to understand where there may
32 be, you know, increased probability and/or threats associated with
33 a particular piece of information in our system. So that allows us
34 the ability to prioritize our funding so that we can adequately
35 secure up those areas.

36
37 **LEG. LINDSAY:**

38 And then my final question, have you seen or heard of any other
39 local governments being subject to any type of cyberattacks over
40 the last few years?

41
42 **COMMISSIONER MASTELLON:**

43 You know, I'm sure there has been but I'm not aware specifically of
44 any -- within the last few years, that is, you know, locally within
45 this region has been attacked in that regard.

46
47 **LEG. LINDSAY:**

48 Thank you.

49
50 **COMMISSIONER MASTELLON:**

51 Sure.

52
53 **CHAIRPERSON CALARCO:**

54 Scott, just a quick follow-up on this particular one we're on,
55 1407, this is actual installation of cables and this is all
56 hardware type --

1 **COMMISSIONER MASTELLON:**

2 That's correct. So the majority of the request is for hardware;
3 however, there is some cabling requirements that are necessary to
4 connect different locations so that's where the fiber cabling comes
5 into play. And then the actual devices themselves that connect the
6 various locations through those cables are also part of this
7 request.

8
9 **CHAIRPERSON CALARCO:**

10 Okay. So this is -- there's no software included in this
11 particular project.

12
13 **COMMISSIONER MASTELLON:**

14 There's actual software that sits on top of the hardware itself.

15
16 **CHAIRPERSON CALARCO:**

17 U-hum.

18
19 **COMMISSIONER MASTELLON:**

20 That's included as part of that. But, yes -- but the majority of
21 the components are hardware-related components.

22
23 **CHAIRPERSON CALARCO:**

24 Physical components.

25
26 **COMMISSIONER MASTELLON:**

27 Physical components.

28
29 **CHAIRPERSON CALARCO:**

30 Okay. Go ahead, any other questions? I have a motion and a
31 second. All those in favor? We don't have a motion? I thought it
32 was myself and Legislator Lindsay. Okay. All those in favor?
33 Opposed? Abstentions? **IR 1407 is approved. (VOTE: 5-0-0-0)**

34
35 **IR 1408, Appropriating funds in connection with Suffolk County**
36 **Disaster Recovery Project (CP 1729). (Co. Exec.)** We'll have same
37 motion, same second. Scott, this is -- this is a backup system?

38
39 **COMMISSIONER MASTELLON:**

40 Disaster recovery enables us the ability to in the event of an
41 issue that occurs in a particular location, we have the ability to
42 failover to another location to resume operations.

43
44 **CHAIRPERSON CALARCO:**

45 So that's what this is for?

46
47 **COMMISSIONER MASTELLON:**

48 Correct.

49
50 **CHAIRPERSON CALARCO:**

51 And so just as, I guess, as a note for people to understand, would
52 that cyberattack that happened, I guess, a couple weeks back, would
53 that -- that ransomware, this would have allowed us to have
54 abandoned the one -- the transfer to the backup system and not have
55 lost any materials.

1 **COMMISSIONER MASTELLON:**

2 If, in fact, we were affected by any ransomware, you know,
3 typically what we have is -- we have threat -- we have software
4 that will detect whether or not that's on there. The idea is to
5 remove that particular component as quickly off the network.
6 However -- and isolate that particular instance. In the event --
7 in the event that additional information is compromised, then, yes,
8 we would be able to -- have to shut that down and then we would
9 failover potentially to disaster recovery site, which would then
10 enable us the ability to continue operations.

10:18AM

11
12 **CHAIRPERSON CALARCO:**

13 Okay. With that particular attack, were we -- was there an attempt
14 by that ransomware to get into our system; or did we upgrade and
15 then our Windows patches as it comes along so that we didn't have
16 that --

17
18 **COMMISSIONER MASTELLON:**

19 We actually went through over the weekends -- that weekend
20 starting, you know, Friday through that weekend we identified most
21 of the major software providers that we're working with, provided
22 patches and did a number of upgrades on our virus protection. And
23 then we're continuing through on some of our other software and
24 other hardware components to make sure that everything's up to
25 date.

10:18AM

26
27 **CHAIRPERSON CALARCO:**

28 Okay. I have a motion and a second. All those in favor? Opposed?
29 Abstentions? **IR 1408 is approved. (VOTE: 5-0-0-0)**

30
31 **IR 1409, Appropriating funds in connection with Globally Managed
32 Network Protection and Security (CP 1807). (Co. Exec.).** I think
33 we've got all the answers at this point in time. I'll make a
34 motion to approve; second by Legislator Lindsay. All those in
35 favor? Opposed? Abstentions? **IR 1409 is approved. (VOTE:
36 5-0-0-0)**

37
38 **IR 1420, Appropriating and accepting rule of engagement for Risk
39 and Vulnerability Assessment Services from the Department of
40 Homeland Security for Suffolk County Department of Information
41 Technology. (Co. Exec.)** If my understanding is correct, Scott,
42 this a grant so this is not any monies that are coming out of our
43 pocket?

44
45 **COMMISSIONER MASTELLON:**

46 It's actually -- yeah, it's a zero cost to us so it's not
47 specifically a grant, but since we're accepting this at no cost
48 then we're required --

49
50 **CHAIRPERSON CALARCO:**

51 And they're going to come in with their people to do an assessment
52 based on what they know in terms of global threats that are coming
53 through?

54
55 **COMMISSIONER MASTELLON:**

56 That's correct. It covers a number of different aspects of

1 security vulnerability. And at the end of 30-day analysis period,
2 they'll provide us with a report that identifies areas to be
3 concerned of as well as potential solutions that we can look to
4 employ to support and cover up or at least handle those issues.

5
6 **CHAIRPERSON CALARCO:**

7 Okay. Any questions? I have a motion. I'll make a motion to
8 approve; second by Legislator Lindsay. All those in favor?
9 Opposed? Abstentions? **IR 1420 is approved. (VOTE: 5-0-0-0)**

10
11 I have no other items on the agenda so we are adjourned.

12
13 **THE MEETING CONCLUDED AT 10:19 AM**
14 **{ } DENOTES SPELLED PHONETICALLY**
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56

INDEX

[Occurrence of Word] - Page Number:Line Number

1

10:09 [1] - 2:1
10:19 [1] - 7:13
1368 [2] - 2:18, 2:21
1385 [2] - 2:25, 2:40
1407 [3] - 2:42, 4:55, 5:33
1408 [2] - 5:35, 6:29
1409 [2] - 6:31, 6:35
1420 [2] - 6:38, 7:9
1726 [2] - 2:53, 2:55
1726 [1] - 2:43
1729 [2] - 2:53, 2:56
1729 [1] - 5:36
1807 [2] - 2:54, 3:1
1807 [1] - 6:32

2

2008 [1] - 3:1
2011 [1] - 2:56
2012 [1] - 3:2
2017 [1] - 1:17

3

30-day [1] - 7:1
31 [1] - 1:17

5

5-0-0-0 [6] - 2:21, 2:40, 5:33, 6:29, 6:36, 7:9

6

60-2017 [1] - 2:25

7

725 [1] - 1:16

A

abandoned [1] - 5:54
ability [6] - 4:13, 4:31, 4:34, 5:40, 5:41, 6:10
able [1] - 6:8
absolutely [2] - 4:10, 4:29
abstentions [1] - 5:33
Abstentions [5] - 2:21, 2:40, 6:29, 6:35, 7:9
accepting [2] - 6:38, 6:47
access [1] - 4:23

accessible [1] - 4:3
active [3] - 2:56, 3:1
activities [2] - 3:12, 3:24
actual [3] - 4:55, 5:5, 5:14
additional [2] - 4:30, 6:7
address [1] - 2:12
adequate [1] - 3:5
adequately [2] - 3:22, 4:34

adjourned [1] - 7:11
advance [1] - 3:41
affected [1] - 6:2
agenda [2] - 2:14, 7:11
ahead [1] - 5:30
Aide [5] - 1:38, 1:39, 1:40, 1:41, 1:42

Ali [1] - 1:41
Allegiance [1] - 2:6
allow [1] - 4:31
allowed [1] - 5:53
allows [1] - 4:33

ALSO [1] - 1:31
Alyssa [1] - 1:40
AM [2] - 2:1, 7:13
Amending [1] - 2:25
amending [1] - 2:33
Amy [1] - 1:33
analysis [1] - 7:1
analyzing [1] - 3:35
annual [1] - 3:3
answers [1] - 6:33
applications [1] - 3:10
Appropriating [4] - 2:42, 5:35, 6:31, 6:38

approve [4] - 2:26, 3:45, 6:34, 7:8
approved [5] - 2:40, 5:33, 6:29, 6:35, 7:9

areas [2] - 4:35, 7:2
art [1] - 3:36
articulate [1] - 3:41
aspect [1] - 4:6
aspects [1] - 6:56
assessing [1] - 3:35
Assessment [1] - 6:39
assessment [6] - 3:34, 3:37, 3:40, 3:42, 6:51
assessments [1] - 4:30
assist [1] - 3:43
associated [2] - 3:7, 4:32
AT [2] - 2:1, 7:13

attack [2] - 3:41, 6:13
attacked [1] - 4:45
attackers [1] - 3:41
attempt [1] - 6:13
ATTENDANCE [1] - 1:31
Auditorium [1] - 1:15
authorizations [1] - 2:52
availability [1] - 3:30
aware [1] - 4:43

B

backup [2] - 5:37, 5:54
bargaining [1] - 2:19
based [1] - 6:52
Benny [1] - 1:34
best [2] - 3:39, 4:13
Brand [1] - 1:43
Brian [1] - 1:39
brief [1] - 2:32
Budget [1] - 1:34
Building [1] - 1:16
BY [1] - 1:46

C

cables [2] - 4:55, 5:6
Cabling [1] - 2:42
cabling [2] - 5:3, 5:4
Calarco [2] - 1:22, 1:38
CALARCO [16] - 2:3, 2:31, 2:38, 3:48, 3:54, 4:53, 5:9, 5:16, 5:23, 5:29, 5:44, 5:50, 6:12, 6:27, 6:50, 7:6
CALLED [1] - 2:1
capital [3] - 2:56, 3:1
Caracappa [1] - 1:15
cards [1] - 2:11
certainly [1] - 3:46
Chair [1] - 1:23
CHAIRPERSON [16] - 2:3, 2:31, 2:38, 3:48, 3:54, 4:53, 5:9, 5:16, 5:23, 5:29, 5:44, 5:50, 6:12, 6:27, 6:50, 7:6
Chairperson [1] - 1:22
Chief [1] - 1:33
Clerk/Legislature [1] - 1:33
Co [6] - 2:19, 2:26, 2:43, 5:36, 6:32, 6:41
coming [2] - 6:42,

6:52
COMMISSIONER [15] - 2:49, 4:8, 4:28, 4:42, 4:50, 5:1, 5:13, 5:19, 5:26, 5:39, 5:47, 6:1, 6:18, 6:45, 6:55
Commissioner [1] - 2:44
Commissioner/Information [1] - 1:35
COMMITTEE [1] - 1:2
Committee [4] - 1:14, 2:5, 2:12, 3:45
component [1] - 6:5
components [6] - 3:8, 5:21, 5:24, 5:27, 6:24
compromised [1] - 6:7
computer [1] - 3:5
concerned [1] - 7:3
CONCLUDED [1] - 7:13
conduct [2] - 3:33, 3:37
conducted [1] - 4:30
connect [2] - 5:4, 5:5
connection [3] - 2:42, 5:35, 6:31
continue [1] - 6:10
continuing [1] - 6:23
correct [4] - 5:2, 5:48, 6:41, 6:56
corrected [1] - 2:36
correspondence [1] - 2:10
cost [3] - 3:33, 6:46, 6:47
costs [1] - 3:23
Counsel [2] - 1:32, 2:32
COUNTY [1] - 1:6
County [8] - 1:14, 1:36, 1:37, 3:26, 3:33, 4:5, 5:35, 6:40
County's [1] - 3:9
couple [2] - 2:46, 5:52
Court [1] - 1:47
cover [1] - 7:4
covers [1] - 6:56
CP [3] - 2:43, 5:36, 6:32
create [1] - 3:25
critical [5] - 3:5, 3:19, 3:28, 4:2, 4:5
cyberattack [2] - 4:3, 5:52
cyberattacks [2] -

4:24, 4:39

D

data [1] - 3:11
date [1] - 6:25
defined [1] - 3:34
delivery [1] - 3:7
DENOTES [1] - 7:14
Department [3] - 3:32, 6:39, 6:40
Deputy [2] - 1:33, 2:50
detail [1] - 2:46
detect [1] - 6:4
devices [6] - 3:8, 3:10, 3:14, 3:16, 3:19, 5:5
Diana [1] - 1:47
different [2] - 5:4, 6:56
diligence [1] - 4:21
disaster [3] - 2:54, 5:40, 6:9
Disaster [1] - 5:36
disruptions [1] - 3:25
disturbances [1] - 3:25
down [2] - 4:4, 6:8
due [1] - 4:21
during [1] - 2:12

E

Ellis [1] - 1:33
employ [1] - 7:4
employee [1] - 4:22
employees [1] - 2:18
enable [1] - 6:10
enables [1] - 5:40
end [2] - 3:13, 7:1
end-of-life [1] - 3:13
engage [1] - 3:32
engagement [1] - 6:38
ensure [2] - 3:19, 4:12
entertain [1] - 3:46
entire [1] - 4:17
environment [1] - 3:41
established [1] - 3:3
Establishing [1] - 2:18
event [3] - 5:40, 6:6, 6:7
excluded [1] - 2:19
Exec [4] - 2:19, 2:43, 5:36, 6:41
Exec. [2] - 2:26, 6:32
Executive's [2] - 1:36, 1:37
experts [1] - 3:37
explanation [1] - 2:33

INDEX

[Occurrence of Word] - Page Number:Line Number

F

fact [1] - 6:2
failover [2] - 5:42, 6:9
failsafe [1] - 4:20
favor [7] - 2:20, 2:39, 5:31, 5:32, 6:28, 6:35, 7:8
few [2] - 4:40, 4:44
Fiber [1] - 2:42
fiber [1] - 5:4
final [1] - 4:38
firmware [1] - 3:18
first [1] - 2:51
fixing [1] - 2:39
Flesher [1] - 1:47
follow [1] - 4:54
follow-up [1] - 4:54
forward [2] - 2:45, 2:47
four [1] - 3:45
fourth [1] - 3:32
Friday [1] - 6:20
fully [1] - 4:20
functions [2] - 4:3, 4:5
funding [7] - 2:52, 3:3, 3:5, 3:13, 3:28, 4:16, 4:34
fundings [1] - 4:11
funds [3] - 2:42, 5:35, 6:31

G

George [1] - 1:32
Giglio [1] - 1:42
global [1] - 6:52
Globally [1] - 6:31
GOVERNMENT [1] - 1:1
Government [2] - 1:13, 2:4
governments [1] - 4:39
grant [4] - 2:36, 2:39, 6:42, 6:47
guess [2] - 5:51, 5:52

H

Hahn [2] - 1:24, 1:40
handle [1] - 7:4
handles [1] - 4:5
hardware [6] - 3:17, 4:56, 5:2, 5:14, 5:21, 6:24
hardware-related [1] - 5:21
heard [1] - 4:38
held [1] - 1:15

highly [1] - 3:36
Highway [1] - 1:17
Homeland [2] - 3:33, 6:40
Horst [1] - 1:36
house [1] - 3:10
HOUSING [1] - 1:2
Housing [2] - 1:14, 2:5
hum [1] - 5:17

I

idea [1] - 6:4
identified [1] - 6:20
identifies [1] - 7:2
identify [1] - 4:11
Ill [1] - 1:23
implementing [1] - 3:39
important [1] - 2:47
IN [1] - 1:31
included [2] - 5:10, 5:20
including [1] - 4:22
increase [1] - 3:24
increased [1] - 4:32
INFORMATION [1] - 1:2
information [7] - 4:2, 4:22, 4:24, 4:26, 4:31, 4:33, 6:7
Information [3] - 1:13, 2:5, 6:40
infrastructure [4] - 3:6, 3:8, 3:22, 3:29
installation [1] - 4:55
instance [1] - 6:6
interested [1] - 1:44
INTRODUCTORY [1] - 2:23
introductory [1] - 2:25
invest [1] - 3:22
IR [12] - 2:18, 2:21, 2:25, 2:40, 2:42, 5:33, 5:35, 6:29, 6:31, 6:35, 6:38, 7:9
isolate [1] - 6:6
issue [1] - 5:41
issues [1] - 7:4
IT [5] - 2:44, 3:6, 3:7, 3:22, 3:29
items [1] - 7:11
itself [1] - 5:14

J

job [1] - 4:10
John [1] - 1:37
justifying [1] - 3:43

K

Kara [1] - 1:24
Katie [1] - 1:36
Kennedy [2] - 1:25, 1:41
Kevin [1] - 1:26

L

last [2] - 4:40, 4:44
least [1] - 7:4
led [1] - 2:6
Leg [10] - 1:22, 1:23, 1:24, 1:25, 1:26, 1:38, 1:39, 1:40, 1:41, 1:42
LEG [6] - 2:28, 3:51, 4:1, 4:19, 4:37, 4:47
Legislative [1] - 1:15
Legislator [7] - 2:6, 2:20, 2:32, 3:55, 5:32, 6:34, 7:8
LEGISLATURE [1] - 1:6
Legislature [3] - 1:14, 1:16, 1:32
Leslie [1] - 1:25
liabilities [1] - 3:26
life [1] - 3:13
Lindsay [9] - 1:23, 1:39, 2:6, 2:20, 2:32, 3:55, 5:32, 6:34, 7:8
LINDSAY [6] - 2:28, 3:51, 4:1, 4:19, 4:37, 4:47
local [1] - 4:39
locally [1] - 4:44
location [2] - 5:41, 5:42
locations [2] - 5:4, 5:6
look [1] - 7:3
lost [1] - 5:55

M

maintain [2] - 3:6, 3:28
major [2] - 3:8, 6:21
majority [3] - 3:12, 5:2, 5:20
malicious [2] - 3:12, 3:24
manage [1] - 3:9
Managed [1] - 6:31
manufacturer [1] - 3:17
Marafino [1] - 1:37
MASTELLON [15] - 2:49, 4:8, 4:28, 4:42,

4:50, 5:1, 5:13, 5:19, 5:26, 5:39, 5:47, 6:1, 6:18, 6:45, 6:55
Mastellon [2] - 1:35, 2:44
materials [1] - 5:55
McCaffrey [2] - 1:26, 1:42
means [1] - 3:16
MEETING [2] - 2:1, 7:13
meeting [1] - 1:13
MEMBERS [1] - 1:21
Memorial [1] - 1:16
methodology [1] - 3:35
might [1] - 3:46
minimizing [1] - 3:7
MINUTES [2] - 1:8, 1:46
monies [1] - 6:42
monitor [1] - 3:11
morning [8] - 2:4, 2:10, 2:12, 2:14, 2:50, 2:52, 4:2
most [1] - 6:20
motion [9] - 2:19, 2:26, 5:30, 5:31, 5:37, 6:28, 6:34, 7:7
move [3] - 2:13, 2:14, 2:47
MR [1] - 2:35

N

Nazir [1] - 1:41
necessary [1] - 5:3
need [1] - 4:26
network [9] - 2:53, 2:54, 3:5, 3:9, 4:9, 4:17, 4:21, 6:5
Network [2] - 2:43, 6:32
New [1] - 1:17
Newsday [1] - 1:43
next [1] - 2:45
no-cost [1] - 3:33
Nolan [1] - 1:32
NOLAN [1] - 2:35
none [1] - 2:13
note [1] - 5:51
number [2] - 6:22, 6:56

O

occurs [1] - 5:41
OF [1] - 1:4
Office [3] - 1:34, 1:36, 1:37

Officer [1] - 2:50
one [3] - 2:45, 4:54, 5:54
ones [1] - 2:46
operations [2] - 5:42, 6:10
OPERATIONS [1] - 1:1
Operations [2] - 1:13, 2:4
opinion [1] - 4:25
Opposed [5] - 2:20, 2:40, 6:28, 6:35, 7:9
opposed [1] - 5:33
ORDER [1] - 2:1
order [1] - 4:26
organizations [2] - 4:23, 4:25
ourselves [1] - 4:13
overall [3] - 3:29, 3:42, 4:9

P

part [4] - 3:42, 4:29, 5:6, 5:20
particular [9] - 3:17, 4:11, 4:33, 4:54, 5:11, 5:41, 6:5, 6:6, 6:13
parties [1] - 1:44
patches [3] - 3:18, 6:15, 6:22
people [2] - 5:51, 6:51
perform [1] - 3:40
perhaps [2] - 2:43, 2:45
period [1] - 7:1
Pernice [1] - 1:34
personal [1] - 4:24
PERSONNEL [1] - 1:1
Personnel [2] - 1:13, 2:4
PHONETICALLY [1] - 7:14
physical [2] - 5:24, 5:27
piece [1] - 4:33
planning [1] - 3:43
play [1] - 5:5
Pledge [1] - 2:6
pocket [1] - 6:43
point [1] - 6:33
police [1] - 4:4
policies [1] - 4:12
portion [1] - 2:12
possible [1] - 4:22
potential [2] - 4:10, 7:3
potentially [1] - 6:9

INDEX

[Occurrence of Word] - Page Number:Line Number

practices [1] - 3:39
PRESENT [1] - 1:21
presentations [1] - 2:13
Presiding [1] - 2:50
prevent [1] - 3:11
prioritize [1] - 4:34
probability [1] - 4:32
procedures [1] - 4:12
program [1] - 2:18
project [4] - 2:56, 3:1, 5:11
Project [1] - 5:36
project's [1] - 2:46
projects [4] - 2:52, 3:2, 3:28, 4:11
protect [5] - 4:9, 4:13, 4:17, 4:21, 4:26
protected [1] - 4:15
Protection [1] - 6:32
protection [2] - 2:54, 6:22
provide [2] - 4:30, 7:2
provided [1] - 6:21
providers [1] - 6:21
public [2] - 2:11, 2:12
put [1] - 4:24

Q

questions [4] - 3:46, 3:49, 5:30, 7:7
quick [1] - 4:54
quickly [1] - 6:5

R

ransomware [3] - 5:53, 6:2, 6:14
recovery [3] - 2:54, 5:40, 6:9
Recovery [1] - 5:36
reference [1] - 2:55
regard [1] - 4:45
region [1] - 4:45
related [2] - 2:52, 5:21
reliability [1] - 3:29
remove [1] - 6:5
repair [3] - 3:6, 3:22, 3:23
replace [1] - 3:13
report [1] - 7:2
request [2] - 5:2, 5:7
requesting [1] - 3:45
requests [2] - 3:13, 3:45
required [1] - 6:48
requirements [3] - 3:3, 3:43, 5:3
Resolution [1] - 2:25

resolution [3] - 2:36, 2:39, 3:32
resolutions [1] - 2:51
Resolutions [2] - 2:14, 2:25
RESOLUTIONS [2] - 2:16, 2:23
resume [1] - 5:42
Review [1] - 1:34
Rick [1] - 1:43
rise [1] - 2:6
risk [2] - 3:33, 3:40
Risk [1] - 6:38
risks [1] - 3:7
Robert [1] - 1:22
Rogers [1] - 1:16
Rose [1] - 1:15
routinely [1] - 3:39
rule [1] - 6:38

S

salary [1] - 2:18
SALUTATION [1] - 2:8
Sapp [1] - 1:39
savings [1] - 2:18
Scott [6] - 1:35, 2:44, 2:45, 3:49, 5:37, 6:41
scott [1] - 4:54
second [8] - 2:20, 2:29, 2:32, 5:31, 5:37, 6:28, 6:34, 7:8
secure [1] - 4:35
security [10] - 2:55, 3:11, 3:18, 3:20, 3:29, 3:37, 3:39, 3:42, 4:29, 7:1
Security [3] - 3:33, 6:32, 6:40
seeing [1] - 2:13
servers [1] - 3:10
service [1] - 3:7
Services [1] - 6:39
Shilling [1] - 1:38
shut [2] - 4:4, 6:8
significant [1] - 3:25
significantly [1] - 3:23
simply [1] - 3:42
sit [1] - 4:14
site [1] - 6:9
sits [1] - 5:14
size [1] - 3:5
Smithtown [1] - 1:17
software [5] - 5:10, 5:14, 6:3, 6:21, 6:23
solutions [1] - 7:3
someone [1] - 4:3
specifically [2] - 4:43,

6:47
SPELLED [1] - 7:14
stability [1] - 3:19
starting [1] - 6:20
state [2] - 3:6, 3:36
state-of-the-art [1] - 3:36
States [1] - 3:32
Stenographer [1] - 1:47
storage [1] - 3:10
strategies [1] - 3:39
strategy [3] - 3:35, 3:42, 4:29
subject [2] - 4:10, 4:39
SUFFOLK [1] - 1:6
Suffolk [3] - 1:14, 5:35, 6:40
support [1] - 7:4
supported [1] - 3:17
system [5] - 4:4, 4:33, 5:37, 5:54, 6:14
systems [1] - 3:36

T

table [2] - 2:20, 2:51
Tabled [1] - 2:14
TABLED [1] - 2:16
tabled [1] - 2:21
TAKEN [1] - 1:46
targets [1] - 3:36
technologies [1] - 4:12
TECHNOLOGY [1] - 1:2
technology [1] - 2:53
Technology [5] - 1:14, 1:35, 2:5, 2:43, 6:41
terms [2] - 3:29, 6:52
testing [1] - 3:35
THE [3] - 1:4, 2:1, 7:13
themselves [1] - 5:5
therefore [1] - 3:2
threat [3] - 3:37, 3:40, 6:3
threats [3] - 4:10, 4:32, 6:52
three [3] - 2:51, 2:52, 3:8
TO [1] - 2:1
today [1] - 2:47
tools [1] - 3:36
top [1] - 5:14
traffic [2] - 3:9, 3:11
trained [1] - 3:36
transfer [1] - 5:54
trying [1] - 4:21

Turano [1] - 1:40
type [2] - 4:39, 4:56
typically [1] - 6:3

U

u-hum [1] - 5:17
ultimately [2] - 4:14, 4:16
unintentional [1] - 3:12
United [1] - 3:32
units [1] - 2:19
up [7] - 3:8, 3:23, 4:14, 4:35, 4:54, 6:24, 7:4
updates [1] - 3:18
upgrade [1] - 6:14
upgrades [2] - 2:53, 6:22
Upgrades [1] - 2:43
utilizes [1] - 3:34

V

van [1] - 4:4
various [1] - 5:6
Veterans [1] - 1:16
Vice [1] - 1:23
virus [1] - 6:22
VOTE [6] - 2:21, 2:40, 5:33, 6:29, 6:35, 7:9
vulnerability [5] - 3:24, 3:34, 3:37, 4:6, 7:1
Vulnerability [1] - 6:39

W

WAN [1] - 2:43
WAS [1] - 2:1
weekend [2] - 6:19, 6:20
weekends [1] - 6:19
weeks [1] - 5:52
welcome [1] - 2:4
whatnot [1] - 4:12
William [3] - 1:16, 1:23, 1:38
Windows [1] - 6:15
world [1] - 4:23

Y

years [2] - 4:40, 4:44
York [1] - 1:17

Z

Zachary [1] - 1:42
zero [1] - 6:46