

STATE OF MARYLAND  
PRE-PROPOSAL CONFERENCE  
MARYLAND STATE RETIREMENT AGENCY  
TORFP G20B9400004

EXTERNAL NETWORK, INTERNAL WIRELESS NETWORK  
AND APPLICATION SECURITY TESTING

WEDNESDAY, JANUARY 9, 2019 10:10 A.M.

120 E. Baltimore Street, Room 1631  
Baltimore, Maryland 21201

PRESENT FROM STATE:

MARGIE GORDON  
JOHN HAYNES  
DAVID TOFT  
BOB DEAL  
IRA GREENSTEIN  
TOM MONTANYE

ALSO PRESENT:

JOHN KOZLOWSKI, VERIZON  
CHUCK HUTZELL, VERIZON  
RANDY STAPLETON, CDW-G  
AARON CHURCHILL, NETORIAN  
ELLIS EISEN, NETORIAN  
SCOTT PETERSON, DK CONSULTING  
SHILFA JAIN, RESOURCESYS, INC.  
HARSHID SHAH, NAVITAS  
MICHAEL TARTAL, ENTERPRISE CONSULTING  
SETH WERBIN, GANTECH  
VAL KORICKI, PERSPECTA STATE AND LOCAL  
PRAFUL PATEL, OHM SYSTEM  
DAVID DIXON, POWERSOLV  
BRIAN ZERNHELT, A&T SYSTEMS  
STEVE ZEVE, JANUS ASSOCIATES  
KAREN VALVERDE, WEB TRAITS, INC.  
BHASKAR ROY, WEB TRAITS, INC.  
VIN WAGLE, SYSDATA LOGICS  
RASHMI WAGLE, SYSDATA LOGICS  
MARY DAYE, EXCEED CORPORATION  
SHERRON FULTON, MOMENTUM, INC.  
TRAVIS SANCHEZ, NUHARBOR SECURITY

NARAYAN ATHREYA, ICUBE SYSTEMS  
LEN NEWMAN, EXCEED CORPORATION  
SEAN MOLONY, VALSATECH  
AMIT SAMRIT, VALSATECH  
COREY BALL, MPIRE TECHNOLOGY GROUP  
JAMES PARK, MPIRE TECHNOLOGY GROUP  
THOMAS TRIBBLE, RESOURCE SYSTEMS, INC.

REPORTED BY: DANIEL BERUBE, Notary Public

1                   P R O C E E D I N G S

2                   MS. GORDON: Good morning. My name is Margie  
3 Gordon and I will be the task order procurement officer  
4 assisting with the process of this solicitation. And  
5 on behalf of the Maryland State Retirement Agency, I  
6 would like to welcome you to this task order pre-  
7 proposal conference.

8                   Today we will share with you information  
9 concerning the task order request for proposal which we  
10 called for entitled, "External Network, Internal  
11 Wireless Network, and Application Security Testing."  
12 The agency control number for this TORFP is  
13 G20B9400004. And please note to our right we have a  
14 court reporter from the Hunt Reporting Company. He  
15 will be recording and transcribing this pre-proposal  
16 conference and copy of the transcript, as well as the  
17 business cards and the pre-proposal sign in sheet will  
18 be emailed to all offerors.

19                  I'd like to start with the introductions.  
20 Our panel will introduce themselves and then we'll have  
21 you introduce yourselves. John?

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1           MR. HAYNES: My name is John Haynes. I'm a  
2       procurement specialist here at Maryland State  
3       Retirement Agency.

4           MR. TOFT: David Toft, Director of IT  
5       Security.

6           MR. DEAL: Good morning. Bob Deal, Deputy  
7       Chief Information Systems Officer.

8           MR. GREENSTEIN: Ira Greenstein, Chief  
9       Information Systems Officer.

10          MR. MONTANYE: Tom Montanye, Director of  
11       Systems Development.

12          MS. GORDON: Okay. We'll start with you. And  
13       if you would be sure to speak distinctly so that our  
14       transcriber can get your information.

15          MR. KOZLOWSKI: Yes, I'm John Kozlowski. I'm  
16       the Senior Client Executive with Verizon.

17          MR. HUTZELL: Good morning. Chuck Hutzell,  
18       Verizon, Program Manager, not MBE.

19          MR. STAPLETON: Good morning. Randy Stapleton  
20       with CDW-G.

21          MR. CHURCHILL: Aaron Churchill with Netorian,

1 Proposal Writer.

2 MR. EISEN: Ellis Eisen, Proposal Writer,  
3 Netorian.

4 MR. PETERSON: Scott Peterson, DK Consulting,  
5 woman owned MBE.

6 MS. JAIN: Shilfa Jain, Resourcesys, Inc.,  
7 MBE.

8 MR. SHAH: Harshid Shah, Vice President,  
9 Navitas, woman owned, SBE.

10 MR. TARTAL: Michael Tartal with Enterprise  
11 Consulting.

12 MR. WERBIN: Seth Werbin and I'm a Cyber  
13 Security Engineer for Gantech.

14 MR. KORICKI: Val Koricki, Account Exec,  
15 Perspecta State and Local.

16 MR. PATEL: Praful Patel, Ohm System, MBE.

17 MR. DIXON: David Dixon, Director of Business  
18 Development with Powersolv.

19 MR. ZERNHELT: Brian Zernhelt, A&T Systems.

20 MR. ZEVE: Steve Zeve, Janus Associates.

21 MS. VALVERDE: Karen Valverde, Business

1 Development with Web Traits, Inc.

2 MR. ROY: Bhaskar Roy, Web Traits, Operations  
3 Manager.

4 MR. WAGLE: Vin Wagle, SysDataLogics, MBE.

5 MS. WAGLE: Rashmi Wagle, SysDataLogics.

6 MS. DAYE: Mary Daye, Director of Business  
7 Development at Exceed Corporation. We are MBE.

8 MS. FULTON: Good morning. Sherron Fulton,  
9 Account Manager for Momentum, Inc. We are a woman  
10 owned MBE.

11 MS. GORDON: Last row?

12 MR. SANCHEZ: Travis Sanchez, NuHarbor  
13 Security.

14 MR. ATHREYA: Narayan Athreya from iCube  
15 Systems, MBE.

16 MS. GORDON: And when you get a chance, could  
17 you sign in over there? Thank you. Next?

18 MR. NEWMAN: Len Newman, Business Unit  
19 Director for IT and Contact Center Solutions, Exceed  
20 Corporation.

21 MR. MOLONY: Sean Molony, Account Executive,

1 Valsatech.

2 MR. SAMRIT: Amit Samrit from Valsatech.

3 MR. BALL: Corey Ball, Executive Vice  
4 President, Sales and Marketing for Mpire Technology  
5 Group.

6 MR. PARK: James Park for Mpire Technology  
7 Group, Cybersecurity.

8 MR. TRIBBLE: Thomas Tribble, Resource  
9 Systems, Inc.

10 MS. GORDON: Thank you. Next we will cover  
11 the important aspects of what this TORFP represents. I  
12 will ask that you hold all questions until the panel  
13 has covered all the information that you need and then  
14 we can hopefully answer those questions that you may  
15 have after the conference has concluded. I also have  
16 questions that were emailed to me that, within the time  
17 we have answers, responses. And those that we did not  
18 get to I'll make sure that we answer them and email  
19 them to everyone.

20 First we'll go over the general information.  
21 The Maryland State Retirement Agency is issuing this

1 TORFP to obtain a master contractor to analyze and test  
2 the resiliency of the agency's external internet facing  
3 information systems and three web enabled applications  
4 against external threats and attack in accordance with  
5 the scope of work described in the Section 2. In  
6 addition, the master contractor selected for contract  
7 award shall provide the agency with a written report  
8 presenting a detailed analysis and findings that  
9 support each conclusion and recommended action and  
10 shall provide a briefing, or briefings, of findings and  
11 recommendations to select agency personnel. Both the  
12 written and oral reports and the contents thereof shall  
13 remain confidential and shall not be disclosed to any  
14 third party without the written consent of the task  
15 order manager.

16 On the key information summary sheet that I  
17 made copies for you, just in case you don't have your  
18 sheet with you, this sheet summarizes all of the  
19 important dates for this TORFP. It lists the contact  
20 information of the task order manager, which is Mr.  
21 David Toft and myself as the task order procurement



1 officer.

2 This TORFP has an MBE goal of 30 percent,  
3 with no sub-goals and no VSBE goals. The contract  
4 resulting from this solicitation shall be a firm fixed  
5 price.

6 All proposals in the form set forth in  
7 Section 4.2 must be received by the procurement officer  
8 at the email address listed on the key information  
9 sheet no later than 2:00 p.m., February 7, 2019, in  
10 order to be considered. Requests for extensions of  
11 this time or date will not be granted. If an offeror  
12 prefers to mail in the proposals, they should allow  
13 sufficient mail deliver time to ensure timely receipt  
14 by myself. Proposals received after the due date and  
15 time listed in this section will not be considered.  
16 Proposals may not be submitted by a fax and proposals  
17 will not be opened publicly.

18 Section 4.2, all questions shall identify in  
19 the subject line the solicitation number and title and  
20 shall be submitted in writing via email to myself no  
21 later than the date and time specified on the

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1 information sheet. Answers to all questions that are  
2 not clearly specific only to the requestor will be  
3 provided to all master contractors who are known to  
4 have received a copy of the TORFP. The statement and  
5 interpretations contained in responses to any  
6 questions, whether responded to verbally or in writing,  
7 are not binding on the agency unless it issues an  
8 amendment in writing.

9 So Section 1, we will go over the minimum  
10 qualifications. And I will leave that to Mr. David  
11 Toft.

12 MR. TOFT: Thank you, Margie. Thank you  
13 everyone, again, for coming down and being with us this  
14 morning. I hope you had a pleasant trip into the City.  
15 And I'm glad you all came to be with us here today.

16 I just want to go over first of all the  
17 minimum qualifications on page one. We're asking that  
18 the team that you bring is first they either have a  
19 CISSP certification or Certified Ethical Hacker  
20 certification. That's one of the requirements of one  
21 of your team members. The other requirement here is

1     that one of your members should have had two web  
2     application security assessments within the last three  
3     years, and a caveat to that is that two of those  
4     applications must be .NET framework design and secondly  
5     that they should be applications that authenticate to  
6     the internet, through the internet, involving PII. And  
7     again, that it's one individual would have those  
8     particular, that particular experience set. The other  
9     thing here is that one of your team members should also  
10    have some penetration testing experience. So that's  
11    basically the minimum qualifications for this  
12    engagement: the web application security assessment  
13    experience, the certifications, and then the  
14    penetration test experience background.

15           Moving on to page two, which is the scope of  
16           work, basically there are four blocks or four main  
17    (indiscernible) the scope of work. The first is the  
18    DMZ. We have a, or we have our main servers here in  
19    Baltimore and the internet facing systems are in the  
20    DMZ. And we have another backup site in Annapolis,  
21    Maryland. And that will be the footprint for the

1 penetration tests, the systems here in Baltimore and  
2 the systems at the DR site. That will be your focus  
3 for the penetration test.

4 The web application security, the web  
5 applications are of course residing in the DMZ here. So  
6 you will have first the penetration test, the  
7 internet facing systems, the web application testing  
8 pieces, which consist of four URLs, and then the Wi-Fi.  
9 The Wi-Fi is here in, just in this building here in  
10 Baltimore. It will have to be tested here locally.  
11 And that, I don't want to get into all the details of  
12 that, but there are four floors here, two access points  
13 per floor, and a virtual LAN is attached to those,  
14 those access points. So it's not a large footprint but  
15 it is, it does stand for four floors here in the  
16 Suntrust Building.

17 And the fourth piece of the work order, of  
18 the scope of work, is the fourth application that we're  
19 planning right now and developing. It is a web portal  
20 that is an optional work and we'll talk about that  
21 later in Section 2.5. That is the optional work piece

1 of this scope.

2 And I just wanted to read here, one sentence  
3 here in this scope of work, and that is this: "the SRA  
4 is seeking one TO contractor to perform all services  
5 and produce all deliverables requested in this TORFP  
6 and expects the proposed key personnel to be available  
7 as of the start date specified in the notes to proceed.  
8 For the dual purposes of project efficiency and  
9 limitation of risk exposure to the TO contractor shall  
10 propose the minimum number of persons necessary to  
11 satisfactorily perform the services requested in this  
12 task order." So we're looking for one contractor, one  
13 to perform all these services and produce all these  
14 deliverables.

15 Okay. I just want to make a note here and I  
16 just felt like saying, and that is this is not a check  
17 box engagement. We're not having people come in here  
18 to make us look like we're the greatest security  
19 practitioners in the State of Maryland. We expect you  
20 to find something. We hope you find something. That's  
21 the goal of all this, is that we want to know if

1     there's something wrong here. We want to know if  
2     there's risk here that we don't know about. We want it  
3     revealed and we want it mitigated or eliminated.  
4     That's the goal here. We take data security serious  
5     here and in the past, actually, this is our fourth  
6     engagement, this is our fourth penetration test. We've  
7     been through this before. We kind of know what to  
8     expect. We kind of know what the proposals should look  
9     like. And in the past we've gotten good results and we  
10    expect the same with this engagement here.

11               Moving on to testing specifics, and that  
12    would be page four, Section 2.3, it says here  
13    penetration testing performed by the TO contractor  
14    shall be of a non-intrusive, passive nature to ensure  
15    that no agency production systems are impacted during  
16    this project. No production system downtime attributed  
17    to the pen test is acceptable. You're dealing with  
18    production systems. These are live systems and they,  
19    their sourcing production data, and we don't want  
20    downtime. In the past, obviously, this has been done,  
21    you know, the testing has been done during non-business

1 hours so that's kind of the, give you kind of a picture  
2 of what we're looking here.

3 There's another thing I want to bring out  
4 here in this Section 2.3.2, Application Testing, and  
5 that is the subject of code review. And Section A of  
6 that, and in Section A there it says that dealing with  
7 programming code integrity that a code review is to be  
8 done. There's been some uncertainty about that and we  
9 do expect a code review, minimally a static code  
10 review. We've had them in the past and we've gotten  
11 great results from them and it's been of good value to  
12 us. And in looking at, you know, the industry today  
13 it's something that kind of people expect now, is for  
14 the code to be reviewed either statically, dynamically,  
15 but minimally static code review.

16 Okay. Going down to deliverables on page  
17 six, and that's Section 2.4, well let that can be, it's  
18 actually pages seven through ten, it's a break down of  
19 the deliverables. And basically we're looking for a  
20 project schedule, we're looking for results/findings,  
21 analysis, and recommendations. That's kind of the ball

1 of wax there as far as deliverables go.

2 And page ten, which is the subject of future  
3 work, and that is the, as I alluded to earlier, about  
4 the fourth application that is in development. We  
5 expect this to go live when?

6 VOICE: September 2019.

7 MR. TOFT: September 2019.

8 VOICE: Or ready about at least a month in  
9 advance.

10 MR. TOFT: Okay. And this is a member portal.  
11 It's using authentication and authorization protocols  
12 and standards which are state of the art today using  
13 OAuth and OpenID Connect. This is kind of new waters for  
14 us. We're kind of branching out into this area for the  
15 first time. So this is a critical part of this  
16 engagement, that this application, this member portal,  
17 is analyzed, is tested, and it's secure.

18 And I just want to read one more comment on  
19 that. And that is the scope, referring to the future  
20 work, the scope of testing will be identical to that of  
21 the three applications ready for testing already. So



1 I'm using the same methodology. I'm approaching it  
2 with the same game plan as you would the previous three  
3 applications that you have tested.

4 Okay. Moving on to security -- okay.

5 (Laughter.)

6 MR. TOFT: I know this was going to happen  
7 sooner or later. At least my mom didn't dress me this  
8 morning. Security requirements, Section 3.7 on page  
9 15. I just want to read something here, and that is  
10 unless specifically authorized in writing by the TO  
11 procurement officer and the TO manager, the TO  
12 contractor shall not reference, discuss, or disclose  
13 information related to this TORFP with a limited  
14 exception for information that has been directly and  
15 intentionally released to the general public by the  
16 agency. The TO contractor shall not reference or  
17 disclose work performed or conducted pursuant to this  
18 TORFP in any communication that is not specifically or  
19 directly to the services and deliverables required by  
20 this TORFP, which shall preclude the disclosure of any  
21 such information or materials to other State agencies

1 or departments. And as our CIO, Ira Greenstein, has  
2 reiterated in the past, and he's kind of firm on this,  
3 is that we don't want anybody to know outside of your  
4 doors what's going on here, other than what's public  
5 knowledge. It's not to be discussed, not to be put on  
6 your website saying we've done a spectacular security  
7 assessment of the Maryland State Retirement Agency. So  
8 I just want to make that point clear.

9           Going on to background checks, security  
10 clearance and criminal background checks. And that  
11 would be on page 15. The TO contractor shall obtain  
12 from all contractor personnel assigned to work on the  
13 task order a signed statement permitting a criminal  
14 background check. Prior to commencement of work, the  
15 TO contractor shall secure at its own expense a  
16 national criminal history record check. This check may  
17 be performed by a public or private entity. At a  
18 minimum, this background check must include all  
19 convictions and probation before judgment dispositions,  
20 and TO contractor may not assign an individual whose  
21 background check reflects any criminal activity to work

1 under this task order unless prior written approval is  
2 obtained by the TO contract manager. That is that you  
3 will have done criminal background checks on the people  
4 you bring on board and everything is good there.

5 On page 97 of this task order is an  
6 affidavit, a criminal background check affidavit, and  
7 that is Appendix 3. We expect that to be signed and  
8 provided to us before any work is done.

9 Wrapping up here, coming down a line on page,  
10 Information Technology, on page 16. The TO contractor  
11 shall implement administrative, physical, and technical  
12 safeguards to protect State data that are no less  
13 rigorous and accepted industry best practices for  
14 information security. Basically the data artifacts,  
15 the testing results, what you extract from this  
16 engagement, we want to make sure that they are secure.  
17 If there's any code uploaded to your systems we want to  
18 make sure that that code remains confidential,  
19 protected, and secure. I just want to make that clear.

20 On page 22 we're going to go on and talk  
21 about substitution of personnel. There are basically

1     three sections here dealing with substitution of  
2     personnel. The first one is a directed personnel, a  
3     guideline or a directive, a safeguard for directed  
4     personnel replacement. We have never had to do this in  
5     the past as long as I've been here. I've been in this  
6     capacity for ten years. We've never had, we've never  
7     seen somebody come on board and just have, we have to  
8     step up and say, you know, we've got to find a  
9     replacement. We've never had that happen. We're  
10    really nice people. We're easy to get along with. And  
11    Ira's laughing, but --

12                     (Laughter.)

13                     MR. TOFT: -- I won't say any more about  
14    that. But nice, the power of nice has some value in  
15    the workplace. And like I say, we've never had this in  
16    the past. And we don't expect it to happen this time.

17                     The other two safeguards here as far as  
18    personnel substitution is the one substitution prior to  
19    and up to 30 days after the task order execution, and  
20    there's another safeguard there, a substitution more or  
21    greater than 90 days after the task order is executed.

1     What we expect is that the people you bring on board  
2     will be the people that will be doing the job or doing  
3     the work. And there will be no need -- unless of  
4     course there are situations where things happen, life  
5     happens, and there has to be a change, there has to be  
6     a substitution. We know that and that's something we  
7     will work with if that happens.

8             On that note I want to read one more thing  
9     here, and that is the offeror shall propose up to four  
10    key personnel in response to this TORFP. As Mr.  
11    Greenstein said in the last pre-bid proposal, that word  
12    shall is State language. You can propose less. We  
13    expect you to bring the people on board that will do  
14    the job and that's it. It doesn't have to be four. It  
15    can be less. But I just want to bring that up, that  
16    that word shall is a relative term.

17            Let's see here. We'll move down to  
18    evaluation criteria on page 36. The State prefers an  
19    offeror's response to work requirements in the TORFP  
20    that illustrates a comprehensive understanding of work  
21    requirements and mastery of the subject matter,

1 including an expectation of how the work will be  
2 performed. The quality and accuracy of a TO proposal  
3 will be considered as one component of the offeror's  
4 understanding of the work requirements.

5 Proposal quality is important to us. As Ira  
6 mentioned, and I'll just quote it verbatim what he said  
7 in the last proposal, and that is this. That we  
8 consider the proposal quality to be indicative of the  
9 deliverable quality. We read a lot of proposals. We've  
10 probably read maybe 20, 25 proposals in this type  
11 of work. And at this point we know what a good  
12 proposal is and we know when one is not, is less than  
13 good. So the quality of your proposal is important.  
14 Grammar, spelling, logic flow, the whole kit and  
15 caboodle there, it is important. And we would expect  
16 professional proposals and there's no reason why we  
17 shouldn't receive them because we are all  
18 professionals. I know you do your job and you do your  
19 due diligence.

20 And lastly, talking about pricing proposal on  
21 page 43, it's very simple laid out here. There are

1 basically two groups. The first stage is the  
2 penetration test in the Wi-Fi, which consists of test  
3 results, analysis, conclusions, and recommendations.  
4 The second group is, the second stage there is the web  
5 application assessment, and that also involves test  
6 results, the analysis of those results, conclusions,  
7 and recommendations. And that is all I have.

8 MS. GORDON: Okay. I'm going to say that --  
9 do you want to talk about the oral presentation?

10 MR. TOFT: You can.

11 MS. GORDON: Okay. Section 4.5, we will have  
12 oral presentations once all of the evaluations of your  
13 technicals have been evaluated and then we will contact  
14 you in the reference of those that have made it into  
15 that area that your technical proposals pass. And so  
16 we will then contact you for that. And ask you as far  
17 as certain things in writing, any substantial oral  
18 clarification might be necessary.

19 I also want to talk to you about Section 4.7,  
20 your MBE. Not 4.7, but MBE goals, MBE paperwork. In  
21 the back on Table 7, there have been revised as far as

1 the previous TORFPs that we did for this. And form D-  
2 1A must be submitted with your task order proposal. If  
3 not, your proposal shall be determined not reasonable  
4 susceptible of being selected for award. So please,  
5 read over those sections for MBE very carefully. And  
6 if you have any questions, please send me an email and  
7 I will be glad to research it and answer it for you.

8 The task order proposal format, the awards  
9 process is that in making this selection the task order  
10 proposal will be given greater weight than the task  
11 order financial proposal. That's in Section 6.4-F. So  
12 that's just to let you know.

13 Now at this time, I don't have anything else  
14 but to go over the questions and responses that I  
15 already have. Do you guys have anything else? Okay.

16 I'm going to go over the questions and  
17 answers that we have so far. And if you have further  
18 questions, please submit them to me and I think there's  
19 a time frame on this key information sheet as far as  
20 when I should get your questions. Due date and time by  
21 Wednesday, January 23 at 2:00 p.m. And if I get



1 anything after that that we can answer, I will.

2 First question: for the penetration test  
3 requirement in Section 2.1.2.1, do any of the IP  
4 addresses host web applications in addition to the  
5 agency's public website? If so, is authenticated  
6 testing required or black box only? The answer is yes,  
7 web application security assessment should include  
8 authenticated testing.

9 Second question: for the penetration test  
10 requirement in Section 2.1.2.1, and the application  
11 testing in Section 2.1.2.2, is a retest of the findings  
12 desired once you have had an opportunity to remediate  
13 the findings in the original test? Not a requirement.

14 Third: for the application assessment  
15 requirement in Section 2.1.2.2, is a source code review  
16 desired in addition to the dynamic application  
17 (indiscernible)? If so, what languages and how many  
18 lines of code are to be reviewed for each application?  
19 A static code review is expected. All apps developed  
20 in the Microsoft platform (.NET), C#.NET, VB.NET,  
21 Angular with TypeScript. Employer Payroll:

1 approximately 5,150 lines; Secure Reprints:  
2 approximately 1,100 lines; File Upload: approximately  
3 1,300 lines.

4 For the application assessment requirement in  
5 Section 2.1.2.2, can testing be performed remotely or  
6 will testing need to be onsite? Remote testing only  
7 for web application testing.

8 For the applications that require  
9 credentialed scanned as set forth in 2.1.2.2, how many  
10 user roles should be included in testing? That's one  
11 to three roles.

12 For the wireless testing requirement in  
13 2.1.2.3, does each of the eight VLANs have its own  
14 wireless SSID? If not, how many SSIDs are to be  
15 included in the assessment? Two SSIDs.

16 For the wireless testing requirement in  
17 2.1.2.3, is a wireless site survey and rogue access  
18 point detection desired? If so, please list the  
19 physical address of the facility to be assessed, the  
20 approximate size or square footage, and the business  
21 use, for example data center, offices, etcetera. A

1 wireless site survey is desired, which should include  
2 rogue AP detection, Wi-Fi spans four floors in the 120  
3 East Baltimore Street Suntrust Building.

4 Will all details on site and testing/targets  
5 at the beginning of the test, not during the course of  
6 the test? Details relevant to the testing will be  
7 discussed prior to the testing time frame.

8 Will the contractor be notified/be able to  
9 ask questions about infrastructure details? The answer  
10 is yes.

11 Is this a clear box test? Not entirely.  
12 This RFP was crafted with the intention of providing  
13 some level of detail of the network UT but not to the  
14 level a white box test demands.

15 For the three web applications described on  
16 2.1.2.2, there's mention of four unique URLs. How do  
17 these four URLs map to the three web applications? The  
18 fourth URL is the SRA public website.

19 Will the web application testing be done on  
20 non-production systems as well as production systems?  
21 Testing on non-production systems allows for more in

1 depth testing as we can inject more data into the  
2 system. All testing will be performed on production  
3 systems.

4 How many and what levels of access will be  
5 tested for each of the three web applications described  
6 on 2.1.2.2? The web apps vary in design complexity,  
7 (one with a single page, SPA, the other two having two  
8 to four pages). That stated, authentication  
9 credentials will be provided to assess security from  
10 one up to four levels deep into the web apps.

11 How many IP addresses are on the internal  
12 WLAN/Wi-Fi across the eight VLANs as described in  
13 Section 2.1.2.3? 1,024 max IP addresses available on  
14 the Wi-Fi network, the wireless Wi-Fi.

15 Are all IPs on the WLAN accessible from the  
16 Baltimore, Maryland site? Yes.

17 In 2.3.4, Application Testing, a code review  
18 is mentioned. Will contractors have access to all back  
19 end code for all of the web applications? Yes.

20 Is static analysis and code review the  
21 intention of this requirement? A static code review is

1 a minimum requirement.

2 Referring to 2.1.2.1 -- oh, sorry. Some of  
3 these we did not get answers to but I will get those  
4 and -- oh. Okay. I'll ask and you can respond.

5 Okay. Referring to 2.1.2.1, are any of the  
6 penetration targets hosted in the Cloud and if so with  
7 which Cloud provider?

8 MR. TOFT: There is no Cloud. No Cloud at all.

9 MS. GORDON: Referring to Section 2.1.2.1,  
10 what is the security classification of the penetration  
11 testing targets?

12 MR. TOFT: Moderate. It's moderate security.

13 MS. GORDON: Referring to Section 2.1.2.1 and  
14 2.1.2.2, how many subnets are in the scope?

15 MR. TOFT: It would be three. Yes, there will  
16 be three. Kind of the late night thing that came up,  
17 there were originally two but there's going to be three  
18 by the time this is released. And that is because our  
19 public website is going to be hosted by a third party  
20 and not here on our premises. So we have the, there  
21 will be three subnets. It will be the Baltimore

1 subnet. There will be the DR, and there will be the  
2 public site.

3 (Indiscernible).

4 MR. TOFT: No. No. No, the question was  
5 about the assessment of the public website. That will  
6 be, there is not really a -- well yeah, that is to be  
7 included in the assessment. That is one of the URLs.  
8 There are four URLs in the web application piece, that  
9 is the three custom designed .NET applications and the  
10 public website.

11 MR. GREENSTEIN: We'll clarify.

12 MS. GORDON: Referring to Section 2.1.2.1,  
13 during penetration testing are there specific things  
14 that are not allowed, such as denial of service, fully  
15 exploring vulnerabilities, data exfiltration, etcetera?

16 MR. TOFT: That's fine. As we said earlier,  
17 this will be done against production systems. And so  
18 with that taken in mind, launching a denial of service  
19 against us might not be something we want to happen.  
20 So there will have to be some fine tuning on your part  
21 as far as what tools you'll use and kind of your

1 methodology that you don't bring our systems down. As  
2 we said earlier this is production and we don't want  
3 our production businesses impacted.

4 MS. GORDON: Okay. Referring to Section  
5 2.3.1, what risk scoring mechanism (CVSS, NIST 800-30,  
6 etcetera) should we apply for vulnerabilities that are  
7 discovered?

8 MR. TOFT: Yeah, we would prefer a CVSS.

9 MS. GORDON: Are we giving the remediation --  
10 thank you, mitigation, to fix the findings? If so,  
11 will that result in another contract vehicle being  
12 awarded to do the remediation/mitigation?

13 MR. TOFT: I'll just go on with what Ira has  
14 said in the past about this. And that is, if it's  
15 something that, if you find something critical and it's  
16 just blaringly out of order and, you know, it just has  
17 to be fixed, then of course we would want to fix that  
18 and it would be followed up with another test. We  
19 don't want you, to put a burden on you that you keep  
20 finding things and you have to go back and retest,  
21 retest, retest. That's not what this is about. You

1 know, if this would happen, you know, depending on the  
2 circumstances, you know, we would like to have a retest  
3 and to make sure that we don't have to do this again  
4 immediately when you walk out the door. So with that  
5 said, under, depending on the situation, you know, we  
6 would like to have a remediation component and let you  
7 know from that.

8 MS. GORDON: Okay. Do they need us to do an  
9 SAR/RAR and show how the findings categorize as  
10 critical or high can be compromised?

11 MR. TOFT: No. That's not a requirement.

12 MS. GORDON: Does an incumbent exist on this  
13 RFQ? If yes, could you please provide the incumbent  
14 details? Is the incumbent allowed to bid on this  
15 TORFP? This is actually a new solicitation. There is  
16 no incumbent. We did have part of this on a previous  
17 one --

18 MR. GREENSTEIN: We've had previous  
19 penetration tests but in terms of this procurement  
20 there is no incumbent.

21 MS. GORDON: Right. What is the estimated



1 annual budget of the contract? Sorry. We can't --

2 (Laughter.)

3 MS. GORDON: What is the expected start date  
4 for the contract? Hopefully April 2019, or sooner.

5 Please specify the working place, and we ask  
6 you to read the RFP for that.

7 Is it required that the certificate of  
8 insurance submitted with the proposal or after the  
9 award? You must submit what insurance you have at the  
10 time and if you are awarded the contract you must  
11 submit what is requested in the RFP.

12 That's all the questions I have. Do you have  
13 any more? You had one.

14 MR. ZEVE: Maybe I shouldn't have.

15 (Laughter.)

16 MS. GORDON: Would you say your name and your  
17 company?

18 MR. ZEVE: Steven Zeve, Janus Associates. We  
19 were wondering, the language in the discussion of the  
20 application testing specifies a particular list of  
21 functions but the language suggests there might be

1 others. So we were wondering does the agency have some  
2 specific other functions in mind that should be tested?  
3 Or is the agency perhaps looking for the contractor to  
4 make suggestions on some?

5 MR. TOFT: I think it's we kind of state kind  
6 of the baseline or pieces that you should be looking  
7 for. If there's anything over and above that, we are  
8 not the experts you are. So we expect some of the  
9 thinking, the logic, to be done on the contractor who  
10 will be doing this work for us. You know, in your  
11 expertise and your working with other customers, that  
12 you look for particular areas, then sure, we will want  
13 you to bring that on board and test that. Does that  
14 make sense?

15 MR. ZEVE: Yeah. Yeah. That pretty much  
16 answers the question. Thank you.

17 MS. GORDON: Okay?

18 MR. ROY: Bhaskar Roy, Web Traits. So the  
19 contract is for two years, correct? So is the  
20 assessment should be done once per year? Or once for  
21 the lifetime of the contract, two years?

1 MR. GREENSTEIN: It's a one time, one time.

2 MR. ROY: One time.

3 MR. GREENSTEIN: The reason it was made with  
4 that duration is to ensure that the fourth application,  
5 which is not ready yet --

6 MR. ROY: Okay.

7 MR. GREENSTEIN: -- the secure website,  
8 secure website, will be ready. And that was the  
9 purpose of extending it.

10 MR. ROY: Right.

11 MR. GREENSTEIN: Not to have multiple  
12 incidents of testing.

13 MR. ROY: Okay. And does that -- sorry, can I  
14 continue or --

15 MS. GORDON: Continue.

16 MR. ROY: Okay. So does the DMZ referenced in  
17 2.1.2.1 contain the technologies listed in 2.3.1?  
18 Section 2.3.1?

19 MR. TOFT: Okay, so the question was --

20 MR. ROY: Yeah.

21 MR. TOFT: The --

1           MR. ROY: The DMZ contains this Microsoft  
2   server?

3           MR. TOFT: Yes, that's correct.

4           MR. ROY: SQL server, internet IAS, wireless  
5   access points, and UNIX (indiscernible). All those are  
6   in the DMC.

7           MR. TOFT: Other than the wireless is not  
8   really in the DMZ.

9           MR. ROY: Wireless.

10          MR. MONTANYE: SQL is not run in the DMC.

11          MR. ROY: So B is not?

12          MR. TOFT: It's indirectly. It is indirectly  
13   connected, so that's why it's there. Even though the  
14   systems, there's not a SQL server with an internet  
15   facing interface right on the internet.

16          MR. ROY: Mm-hmm.

17          MR. TOFT: But it's a background system. It's  
18   a backend system. So that's why it's there, that when  
19   you're testing you kind of know what's behind --

20          MR. ROY: Right. Mm-hmm.

21          MR. TOFT: -- what you're testing.

1           MR. ROY: Okay. And just for clarification,  
2     so we'll get the source codes, of course, right? Or  
3     line by line code review? That's needed. And so  
4     cybersecurity insurance, you said we can provide it and  
5     but if we are awarded -- okay. And otherwise we  
6     provide whatever we have already now.

7           MS. GORDON: Whatever you have at the time, I  
8     would like to see that.

9           MR. ROY: Mm-hmm. Okay.

10          MS. GORDON: But as I said, if you are awarded  
11     the contract, then we require you to fulfill the  
12     requirement, what's required in the RFP.

13          MR. ROY: And one last question so once the  
14     notice to proceed is issued, we'll basically, do we do  
15     the background check now? Or will there be sufficient  
16     time after notice to proceed to do the check,  
17     background investigation?

18          MR. GREENSTEIN: The time frames for the  
19     deliverables are listed there, which are premised on  
20     the notice to proceed. And if those, you know, I would  
21     say that whatever is incompatible here has to still

1 work. In other words --

2 VOICE: I guess it means that if you put down  
3 people that fail the background test, then that would  
4 not work out well.

5 MR. GREENSTEIN: Yeah. It would take away the  
6 time --

7 MR. ROY: Okay.

8 MR. GREENSTEIN: -- from the notice to  
9 proceed to when the deliverable --

10 MR. ROY: Sure. And okay, that makes sense.  
11 But if we have someone, if one of our proposed  
12 candidates has a top secret security clearance, will  
13 there be additional, we'll still need those checks if  
14 they are active cleared?

15 MR. TOFT: Yeah, I think you mentioned that  
16 question the last pre-proposal --

17 MR. ROY: Correct.

18 MR. TOFT: -- yes. And we said that's okay.  
19 Yeah, if they have a top secret, then that's --

20 MR. ROY: Or secret.

21 MR. TOFT: Yeah.

1 MR. ROY: Okay.

2 MR. GREENSTEIN: Active.

3 MR. ROY: Mm-hmm. Active, yes.

4 MS. GORDON: Active.

5 MR. ROY: Yeah, that's all I have. Thank you.

6 MS. GORDON: Other questions?

7 VOICE: To -- I'm sorry.

8 VOICE: Go ahead.

9 VOICE: To follow up on the question  
10 concerning clearances, is there a clearance floor? You  
11 mentioned top secret clearance. But what about  
12 personnel that has secret or (indiscernible)? Is there  
13 a floor?

14 MR. TOFT: We never really, you know,  
15 investigated that, probed into that. We would have to  
16 get back with you on that.

17 MR. WAGLE: Vin Wagle from SysData Logics. I  
18 have a question on the DR site, you mentioned  
19 Annapolis. Is that an active active site? Or an  
20 active passive site?

21 MR. TOFT: It's not real time. It's not 100

1 percent real time, but it's near real time. So --

2 MR. GREENSTEIN: The servers are all spinning  
3 there and the data are replicated there --

4 MR. WAGLE: Okay.

5 MR. GREENSTEIN: -- in near real time. So it  
6 is, you know --

7 MR. WAGLE: Okay. So a follow up question  
8 would be --

9 MR. GREENSTEIN: It's pretty warm.

10 MR. WAGLE: Pretty warm. Okay. So --

11 MS. GORDON: It's the backup.

12 MR. WAGLE: So a follow up question --

13 MR. GREENSTEIN: -- backup, there are  
14 different definitions of backup.

15 MS. GORDON: Okay.

16 MR. WAGLE: Right. So yeah, a follow up  
17 question would be are the requests going to, you know,  
18 to DR as well as the active site? Or is the primary  
19 the active site only, where the user request goes to?

20 MR. GREENSTEIN: Primary.

21 MR. WAGLE: Primary? Okay.



1           MR. GREENSTEIN: The disaster recovery site  
2 would only be used in the event of. It is not used as  
3 a production mode. Nothing on it is in production mode  
4 right now.

5           MR. WAGLE: Right.

6           MR. GREENSTEIN: Although it is possible that,  
7 I think, you know, like for example mail may route  
8 through there to here, or something like that.

9           MR. WAGLE: Mm-hmm.

10          MR. GREENSTEIN: In order to, there might be  
11 some kind of mechanism like that. But by and large,  
12 no.

13          MR. WAGLE: Okay.

14          MR. GREENSTEIN: It's not a production site.

15          MR. WAGLE: Okay. So is the production site  
16 highly available? Meaning do you have multiple  
17 servers, multiple modes serving the primary just in  
18 case the primary goes down?

19          MR. TOFT: That's a good question. There are  
20 pieces that are and there are pieces that are not.

21          MR. WAGLE: Not? Okay.

1           MR. TOFT: The web server is a fail over.  
2       It's by availability. But then there are other systems  
3       that are not. So --

4           MR. WAGLE: Yeah. Okay.

5           MR. TOFT: -- we're working on that and --

6           MR. WAGLE: Okay. So would that pen testing  
7       and the security analysis be a part of the scope?  
8       Meaning things that are working well?

9           MR. TOFT: Yes.

10          MR. WAGLE: Okay. Thank you.

11          MR. TOFT: Yes.

12          MS. GORDON: Yes?

13          MR. TARTAL: Michael Tartal with Enterprise  
14       Consulting. Since this is the fourth pen testing  
15       effort that you're doing, can we get a list of the  
16       three previous contractors that did the three previous  
17       pen tests?

18          MR. GREENSTEIN: It's public knowledge.

19          MR. TARTAL: It is public knowledge.

20          MR. GREENSTEIN: Contract award. Who received  
21       the award is public knowledge.

1 MS. GORDON: We can give you the contract  
2 award for those three, if that's what you --

3 MR. TARTAL: Yes.

4 MS. GORDON: Okay. Send me a question in  
5 email form and I will put that in.

6 MR. GREENSTEIN: And I believe the dollar  
7 amounts for award are also public knowledge.

8 MS. GORDON: Yes. Send me an email question  
9 and I will put that into the Q&A.

10 MR. TARTAL: Thank you.

11 MS. GORDON: Okay? Any other questions? Yes?

12 MR. ZERNHELT: Brian Zernhelt, A&T Systems.  
13 During retesting, would you consider doing an amendment  
14 where after all of the original testing has been  
15 completed, you would have a chance to do remediation  
16 and then we would do a second retesting? Just, you  
17 know, lining up for one second retesting after  
18 remediation?

19 MR. TOFT: Yeah, well Ira can answer that.  
20 But I can pretty much tell you that this scope of work  
21 is here and that's what it is. If there's any work to

1 be done afterwards we'll have to, you know, address  
2 that (indiscernible).

3 MR. GREENSTEIN: We have had sort of, whatever  
4 you want to call it, gentleman's agreements where if  
5 something was like some one thing or two things very  
6 simple were out of kilter, to come back and sort of  
7 say, look, we'll fix it. While you're still here doing  
8 it would you mind looking at it again and all that?  
9 But that would be done outside. That's not within the  
10 scope. Does that make --

11 MR. ZERNHELT: No, that makes sense.

12 MR. GREENSTEIN: I think this is a  
13 collaboration between the parties. It's not our goal  
14 to make this difficult for you and, you know, I would  
15 hope that there would be a certain amount of courtesy  
16 back and forth. But in terms of the language of the  
17 contract, the answer to that is this is what it is.

18 MR. ZERNHELT: Okay. One more question, and I  
19 don't know, I don't know if it can be changed. But  
20 with the minimum qualifications as this is written up,  
21 looking for individuals, for other State contracts that

1 we have done this service with, we have always teamed  
2 up with an independent third party testing service  
3 which would give you a third party valid certification.  
4 Because of usually those signs of those companies, the  
5 reputation goes with the companies and not with the  
6 individuals. Because of the amount at the time of the  
7 proposal in that fashion we could not present specific  
8 individuals that would be working on the project. But  
9 we would have sample resumes that would match those  
10 individuals (indiscernible).

11 MR. GREENSTEIN: If what you are saying is  
12 that you would rely on an entire third party to do this  
13 and you would not yourselves have people who would --

14 MR. ZERNHELT: Correct.

15 MR. GREENSTEIN: -- conduct it? I would  
16 think that that's not acceptable. Using tools of a  
17 third party, yes, we actually think that that's  
18 probably going to be what some of the proposals come in  
19 with. But not having people on staff and, you know, in  
20 the end we need to know who is doing this. We need to  
21 have a responsible party to work with.

1 MR. ZERNHELT: Right.

2 MR. GREENSTEIN: And not only is the  
3 contractor responsible for subs, but we do want to  
4 actually have individuals working not an anonymous  
5 company.

6 MR. ZERNHELT: Well that's what I'm saying.  
7 There are very reputable third party companies that do  
8 this that just don't happen to be on the CATS because  
9 this is from CATS.

10 MR. GREENSTEIN: Yes.

11 MR. ZERNHELT: You know, so because of that it  
12 actually gives you the level that you're looking for.  
13 It would be a third party certification. It was just  
14 the fact that --

15 MR. GREENSTEIN: I think we have to stick with  
16 what's here in the document.

17 MR. ZERNHELT: Okay. But the individuals --

18 MS. GORDON: So your answer is no.

19 MR. ZERNHELT: -- match up individuals.

20 Okay.

21 MR. TOFT: From past experiences, we haven't

1 had a problem in this format and the contractors have  
2 done the work for us, have met those requirements, and  
3 they've done a great job. So --

4 MR. ZERNHELT: Okay.

5 MR. TOFT: -- that's just our past  
6 experience.

7 MR. GREENSTEIN: And frankly, if we change  
8 something like that at this point in time, we would  
9 probably have to negate the entire procurement to go  
10 out with it again and go through the review process  
11 with the Department of IT again --

12 MS. GORDON: We don't want that.

13 (Laughter.)

14 MS. GORDON: Question?

15 MR. WAGLE: Yes. So I had a question on the  
16 authentication piece for the applications. Do you have  
17 CAPTCHA or multi factor identification on any of these  
18 applications?

19 MR. MONTANYE: On the secure member portal,  
20 the future one, we will. We don't have CAPTCHA on the  
21 (indiscernible) portal. We don't have two factor --

1 MR. WAGLE: Identification?

2 MR. MONTANYE: -- registration with email  
3 confirming --

4 MR. WAGLE: Okay.

5 MR. MONTANYE: -- every authentication we  
6 don't do (indiscernible) --

7 MR. WAGLE: Okay.

8 MR. GREENSTEIN: it's a very close  
9 relationship between us and the people who are the  
10 users of the three applications. When it comes down to  
11 the secure member site, the authentication is --

12 MR. WAGLE: Okay.

13 MR. GREENSTEIN: -- but will be a commercial  
14 service in all likelihood.

15 MR. WAGLE: Okay.

16 MR. MONTANYE: And the procurement cycles  
17 don't always line up with development cycles. So  
18 there's likely going to be some flux in this. We are  
19 currently in test with a new version of our employer  
20 portal and that will very likely be the one that's  
21 being tested. And that will, that version incorporates



1 the third one, which is the final upload  
2 (indiscernible). So most likely that will be  
3 decommissioned by the time this kicks off  
4 (indiscernible). So --

5 MS. GORDON: -- looking at me --

6 MR. MONTANYE: -- procurement process --

7 MS. GORDON: Thank you.

8 MR. WAGLE: So one last question. So what is  
9 the expected user load and the peak load times? Is it  
10 just going to be during business hours or 24/7?

11 MR. MONTANYE: With the employer side, our  
12 peak loads are during business hours. So off hours we  
13 would prefer that. So off hours is pretty safe on that  
14 because there's not a whole lot going (indiscernible)  
15 on this application. The reprints, reprints is a  
16 member facing so that's got to be 24/7. It's not  
17 highly utilized. The functionality is for members to  
18 get a copy of the statement mailed to them or a copy of  
19 their tax documents. So --

20 MR. GREENSTEIN: Which are heavy at the very  
21 beginning of the year or the --

1 MR. MONTANYE: They may be heavy in April.

2 MR. GREENSTEIN: They may be heavy in April.

3 MS. GORDON: Yes.

4 MR. WAGLE: April.

5 MR. MONTANYE: For the tax documents, yeah.

6 And (indiscernible).

7 MR. WAGLE: Right. Thank you.

8 MR. GREENSTEIN: And the secure members site,  
9 the expectation is that it would not be a production  
10 system when the testing occurs.

11 MR. WAGLE: Okay.

12 MR. GREENSTEIN: It will be shortly after,  
13 assuming that the testing goes as well as we think it  
14 will.

15 MR. WAGLE: Thank you.

16 MR. MONTANYE: So it will either be in a  
17 staging environment or in a production environment, but  
18 not a live site yet.

19 MR. WAGLE: Okay.

20 MS. GORDON: Yes?

21 MR. ROY: Thirty percent MBE goal, so if the

1 prime is an MBE, can the prime cover 15, half of it?

2 MS. GORDON: Yes. You can only cover 50  
3 percent of the MBE goal.

4 MR. ROY: As a prime?

5 MS. GORDON: As a prime. On that note,  
6 Section 5, the task order proposal format submission,  
7 please read over that very carefully. All task order  
8 proposal emails shall be sent with password protection.  
9 Task order financial proposals will also need to be  
10 password protected. I will contact the offerors for  
11 the password to open each file. Each file shall be  
12 encrypted with the same password. I will be the only  
13 one contacting the offerors with task order proposals  
14 that are reasonably susceptible for award. Offerors  
15 that are unable to provide a password that opens the  
16 task order financial proposal documents will be deemed  
17 no susceptible for award. Subsequent submissions of  
18 financial content will not be allowed.

19 We strongly desire all submissions in email  
20 format. But if an offeror wishes to deliver a hard  
21 copy, please contact me for further instructions. So

1 please read over that section very carefully and read  
2 over Section 7 with the attachments as far as there are  
3 certain attachments in this TORFP that should be  
4 submitted at the time of your proposal. And we ask you  
5 to review those attachments and submit those at the  
6 time they need to be submitted and pay attention to  
7 those that need to be submitted if you are awarded this  
8 contract. And that's all I have to say. Anybody else  
9 have any further questions?

10 Well on behalf of Maryland State Retirement  
11 Agency, we would like to thank you all for your  
12 interest in doing business with the State of Maryland.  
13 And a copy of the transcript of this conference, a list  
14 of the attendees, which that list only includes  
15 yourself, and any questions and responses that were  
16 covered today, as well as any additional questions that  
17 you may have. Any amendments to this TORFP will be in  
18 email to all offerors. Also, keep in mind the closing  
19 date and time for the receipt of all technical  
20 proposals is February 7th, 2:00 p.m. Not 2:00 p.m. and  
21 a second afterwards, 2:00 p.m. This will conclude the

1 task order pre-proposal conference and we wish you a  
2 happy day.

3 (Whereupon, the conference was adjourned at  
4 11:11 a.m.)

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CERTIFICATE OF NOTARY

I, Daniel Berube, Notary Public, before whom the foregoing testimony was taken, do hereby certify that the witness was duly sworn by me; that said testimony is a true record of the testimony given by said witness; that I am neither counsel for, related to, nor employed by any of the parties to this action, nor financially or otherwise interested in the outcome of the action; and that the testimony was reduced to typewriting by me or under my direction.

This certification is expressly withdrawn upon the disassembly or photocopying of the foregoing transcript, including exhibits, unless disassembly or photocopying is done under the auspices of Hunt Reporting Company, and the signature and original seal is attached thereto.

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