From: Eric Coomer [eric.coomer@dominionvoting.com]

Sent: 8/3/2018 10:33:25 PM

To: Ivan Vukovic [ivan.vukovic@dominionvoting.com]; Waldeep Singh [waldeep.singh@dominionvoting.com]; Jessica

Bowers [jessica.bowers@dominionvoting.com]; Nicole Nollette [nicole.nollette@dominionvoting.com]; Goran

Obradovic [goran.obradovic@dominionvoting.com]; Nick Ikonomakis [nick.ikonomakis@dominionvoting.com]

Subject: Re: PA 5.5 with ICX DRE

Confirmed correct

ERIC D. COOMER | DIRECTOR, PRODUCT STRATEGY DOMINION VOTING 1201 18th Street, Suite 210, DENVER, CO 80202 720.201.1728 MOBILE

----- Original message -----

From: Ivan Vukovic <ivan.vukovic@dominionvoting.com>

Date: 8/3/18 4:22 PM (GMT-07:00)

To: Waldeep Singh < waldeep.singh@dominionvoting.com >, Jessica Bowers

<jessica.bowers@dominionvoting.com>, Eric Coomer <eric.coomer@dominionvoting.com>, Nicole Nollette <nicole.nollette@dominionvoting.com>, Goran Obradovic <goran.obradovic@dominionvoting.com>, Nick

Ikonomakis < nick.ikonomakis@dominionvoting.com>

Subject: Re: PA 5.5 with ICX DRE

Waldeep,

In order to complete the estimates, I need to confirm the following information for the team - in order to satisfy the DRE/VVPAT implementation for PA State:

- We want the ICX to scan the content of the VVPAT tape (option 1 OCR / opt 2 barcode), and only then save the actual results, as they were read from the tape, once the voter confirms the tape content
- Option 1 (OCR) would also have the benefit of reducing the used tape, if we remove the 0 barcode
- Option 1 would mean our audio review is done from OCR also 0
- We also need the ICX to save/store the actual scanned image of the tape and append the AuditMark

Can you and Eric confirm that we are on the same page here, before I proceed with the team?

As for the Full Face Ballot on the Prime, as a mod to 5.5, other than hardware changes, we were already in the process of scoping the software changes - I do want to underline that our only option here is to re-certify Dsuite 5.7 as a 5.5 mod - all other options involve development of this functionality from scratch on top of 5.5, and that would involve EMS support for full face as well. So the faster option will be to go with 5.7 rebranded to 5.5 - estimate will be provided early next week.

Thanks,

From: Waldeep Singh

Sent: August 3, 2018 2:57 PM

To: Jessica Bowers; Eric Coomer; Sheree R. Noell; John Poulos; Nicole Nollette; Ian Macvicar; Goran Obradovic; Ivan

Vukovic

Cc: John Hastings

Subject: RE: PA 5.5 with ICX DRE

All, we have confirmed with the State the following off the record:

They have two fundamental issues with the vvpat in its current configuration:

- 1. The fact that it is still a DRE and the tabulation of the vote, in their mind, has not changed/shifted to paper
- 2. Idea that it is a reel to reel on roll can trace it back to the voter.

Without getting into debate on the merits of the two points above or whether or not we can negotiate to some extent on the requirements, we need to get a very very real estimate on what it would take to use OCR/read the barcode (essentially act like a tabulator instead of a DRE) for the vvpat solution on the existing 5.5 rev (post eac cert). I need this answer ASAP in order to discuss options with the State.

In addition, we need to get a very real estimate for the landscape ballot for the ICX prime for Philadelphia in the same timeframe on 5.5 rev (post cert as well). Again, I need these very early next week to have any shot at saving some of these accounts. Otherwise, if we have to shift our sales strategy at this point to BMD, given our promises of being certified in PA for the last 3 years...we will lost most of the prospects below.

By way of sales (conservative estimates):

We have 21 prospects that have a probability above 50% that are currently tracking to vvpat solution. We have 12 prospects that have a probability of 50% that are currently tracking to vvpat solution. We have 8 prospects that have a probability below 50% that are currently tracking to vvpat solution.

From: Jessica Bowers

Sent: Thursday, August 2, 2018 1:35 PM

To: Waldeep Singh <waldeep.singh@dominionvoting.com>; Eric Coomer <eric.coomer@dominionvoting.com>

Cc: Sheree R. Noell <sheree.noell@dominionvoting.com>

Subject: PA 5.5 with ICX DRE

Hi all,

I was out in PA yesterday to demo the "PA rule" functionality of the system and discuss certification timing/details. I was told by the state that they would NOT certify a DRE system, including one with a continuous roll VVPAT (they thought it would violate voter privacy). Is this something you can speak to the state about and get clarification on? As it stands, they asked that we remove any DRE configuration from our certification application and RFP response(s).

Thanks,

JESSICA BOWERS | DIRECTOR, CERTIFICATION

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