DOMINION VOTING

Our customers come first.

Georgia Secretary of State

Request for Supplemental Technical Response: Statewide Voting System

RFP No.: 47800-SOS0000037

Prepared for:	Georgia Secretary of State Attn: Verneicher Favors, Agency Procurement Officer
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Due Date:	June 24, 2019, 5:00PM EST

Cover Letter

June 24, 2019

Dear Ms. Favors:

Dominion Voting Systems, Inc. (Dominion) was extremely honored to be invited to participate in the Initial Round of Negotiations held last Tuesday, June 18, 2019, and to receive the Supplemental Questions forthcoming from that session. We have consistently represented Dominion in a professional and responsible manner since the receipt of the original RFP. It is in that light that we respond to the Technical and Cost Worksheet and Narrative Supplemental questions.

It is clear that the State of Georgia Secretary of State is looking for a partner that understands the issues that lie ahead, both technical and political. Dominion has professed that we are the only voting system company that possesses the skill, the expertise, the technical product footprint, and the media outreach knowledge to be your partner through whatever the future holds. Our RFP responses reflect the professional and responsible tone we believe the State is seeking. Our participation in and observance of the SAFE Committee and Election legislation debates, made us acutely aware a true partner was needed in Georgia.

The supplemental responses that follow further indicate the fact that Dominion is proposing a fairly priced, but at the same time a comprehensive solution, to take the State of Georgia to new heights in the voting system arena. Every future vote cast will have a paper document (ballot) from which recounts may be conducted, audits may be performed, and overall voter confidence will be restored. Dominion's system offers unprecedented audit tools to verify and record voter intent accurately. We are constantly improving and enhancing the voting system from customer input received. Your new system will continually evolve and never become stagnant. You will consistently be made aware of what others are doing and why new features may be of interest or beneficial to Georgia.

We understand the responses to follow may elicit new questions, which we welcome, but the responses do provide greater clarity on key items outstanding after last Tuesday's negotiations. We show where the ImageCast X tablet, with a Ballot Marking Device (BMD) printer and as an Direct Recordable Electronic (DRE) with a voter verifiable paper audit trail (VVPAT) system are in use nation-wide. The ImageCast X product is becoming the product of choice all across the country and the list is growing rapidly. We have described a polling place set up for how the system may be deployed. We have explained in greater simplicity than previously just how HASH validation maybe performed and lastly, we have reconfirmed our ability to deliver all voting system products by December 31, 2019. To ensure a successful March 24, 2020, Presidential Preference Primary, all products must be delivered and acceptance tested by the end of the year to allow for sufficient time for staff and poll worker training.

Additionally, we reviewed the pricing by item and made some further concessions to our overall system price while remaining firm on the customer service aspect of our solution. Dominion's

reputation is based on historically superb customer service. The key to the deployment and having a successful March 24, 2020, election is based on a quality deployment plan and one that invests heavily in training and customer support. These two facets must be taken seriously and not wavered from.

Thank you again for having a sincere interest in Dominion being the State of Georgia's next voting system PARTNER. A great long term partnership is about to be formed.

Regards,

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Supplemental Technical Response

Question #1

Confirm which jurisdictions utilize the Ballot Marking Device solution proposed for Georgia. Include how many devices are provided to each jurisdiction and how long the solution has been operational in the jurisdiction.

Dominion's proposed solution of the ImageCast X Ballot Marking Device (BMD) has been successfully implemented and utilized in jurisdictions throughout the United States. The unit is highly scalable to meet the needs of large and small jurisdictions simply by assigning an appropriate number of units based on expected throughput.

The ImageCast X is a versatile unit that can meet the needs of jurisdictions requiring printed paper ballots, the BMD configuration as is being proposed for the State of Georgia, as well as jurisdictions utilizing Direct Recordable Electronic (DRE) configuration, which is backed by a Voter Verifiable Paper Audit Trail (VVPAT).

In either configuration, the main driving component is the ImageCast X tablet. In an effort to demonstrate the successful implementation and use of the ImageCast X, we have provided two tables below separately detailing the use of the ImageCast X BMD configuration and DRE-VVPAT configuration in jurisdictions throughout the United States. We would be happy to provide additional information or explanation upon request.

State	Jurisdiction	Year Implemented	ICX w/BMD
CA	Butte County	2018	45
CA	Contra Costa County	2017	400
CA	El Dorado County	2019	55
CA	Fresno County	2019	1
CA	Inyo County	2017	10
CA	Madera County	2017	45
CA	Marin County	2019	120
CA	Mariposa County	2018	23
CA	Napa County	2017	40
CA	Placer County	2019	275
CA	Sacramento County	2018	366
CA	San Benito County	2017	35
CA	San Luis Obispo County	2017	3

State	Jurisdiction	Year Implemented	ICX w/BMD
CA	San Mateo County	2019	500
CA	Sonoma County	2018	225
CA	Ventura County	2018	950
CO	Arapahoe County	2018	120
CO	Boulder County	2017	39
CO	Denver City & County	2018	30
CO	El Paso County	2018	90
CO	Jefferson County	2018	70
CO	Larimer County	2018	136
CO	Lincoln County	2017	2
CO	Mineral County	2019	1
CO	Montrose County	2018	12
CO	Rio Blanco County	2018	3
CO	Teller County	2018	2
IL	Cook County	2018	4,453
IL	Election Works	2018	1
KS	Cheyenne County	2018	2
KS	Elk County	2018	4
KS	Ford County	2017	50
KS	Graham County	2017	6
KS	Hamilton County	2019	3
KS	Haskell County	2017	3
KS	Hodgeman County	2018	3
KS	Jackson County	2017	10
KS	Logan County	2019	4
KS	Reno County	2017	55
KS	Rice County	2018	7
KS	Rooks County	2018	16
KS	Sheridan County	2019	2
KS	Stanton County	2017	4
KS	Stevens County	2019	6
KS	Thomas County	2017	10
LA	Louisiana State	2019	700
MI	Ada Township (Kent County)	2017	4
MI	Adams Township (Arenac County)	2018	1
MI	Adrian City (Lenawee County)	2017	1
MI	Adrian Township (Lenawee County)	2017	1
MI	Aetna Township (Mecosta County)	2017	1
MI	Aetna Township (Missaukee County)	2017	2
MI	Akron Township (Tuscola County)	2017	2

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Alabaster Township (Iosco County)	2017	1
MI	Alaiedon Township (Ingham County)	2017	1
MI	Albee Township (Saginaw County)	2018	1
MI	Albert Township (Montmorency County)	2018	1
MI	Albion City (Calhoun County)	2017	3
MI	Albion Township (Calhoun County)	2017	1
MI	Alcona County	2018	1
MI	Alcona Township (Alcona County)	2018	1
MI	Algansee Township (Branch County)	2017	1
MI	Alger County	2017	10
MI	Algoma Township (Kent County)	2017	3
MI	Allegan City (Allegan County)	2018	1
MI	Allegan County	2017	2
MI	Allegan Township (Allegan County)	2018	1
MI	Allis Township (Presque Isle County)	2018	1
MI	Allouez Township (Keweenaw County)	2018	1
MI	Alma City (Gratiot County)	2017	3
MI	Almena Township (Van Buren County)	2017	1
MI	Almer Township (Tuscola County)	2017	1
MI	Almira Township (Benzie County)	2018	1
MI	Almont Township (Lapeer County)	2017	2
MI	Aloha Township (Cheboygan County)	2018	1
MI	Alpena City (Alpena County)	2018	4
MI	Alpena County	2018	1
MI	Alpena Township (Alpena County)	2018	5
MI	Alpine Township (Kent County)	2017	6
MI	Antioch Township (Wexford County)	2018	1
MI	Antrim County	2018	1
MI	Antwerp Township (Van Buren County)	2017	3
MI	Arbela Township (Tuscola County)	2017	1
MI	Arcada Township (Gratiot County)	2017	1
MI	Arcadia Township (Lapeer County)	2017	2
MI	Arcadia Township (Manistee County)	2017	1
MI	Arenac County	2018	1
MI	Arenac Township (Arenac County)	2018	1
MI	Argyle Township (Sanilac County)	2017	1
MI	Arlington Township (Van Buren County)	2017	1
MI	Arvon Township (Baraga County)	2018	1
MI	Ash Township (Monroe County)	2017	2
MI	Ashland Township (Newaygo County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Assyria Township (Barry County)	2018	1
MI	Athens Township (Calhoun County)	2017	1
MI	Attica Township (Lapeer County)	2017	1
MI	Au Gres City (Arenac County)	2018	1
MI	Au Gres Township (Arenac County)	2018	1
MI	Au Sable Township (Iosco County)	2017	1
MI	Aurelius Township (Ingham County)	2017	1
MI	Austin Township (Mecosta County)	2017	1
MI	Austin Township (Sanilac County)	2017	1
MI	Avery Township (Montmorency County)	2018	1
MI	Bad Axe City (Huron County)	2017	1
MI	Bagley Township (Otsego County)	2017	1
MI	Bainbridge Township (Berrien County)	2017	1
MI	Baldwin Township (Iosco County)	2017	1
MI	Baltimore Township (Barry County)	2018	1
MI	Bangor City (Van Buren County)	2017	1
MI	Bangor Township (Van Buren County)	2017	1
MI	Banks Township (Antrim County)	2018	1
MI	Baraga County	2018	1
MI	Baraga Township (Baraga County)	2018	3
MI	Baroda Township (Berrien County)	2017	1
MI	Barry County	2018	1
MI	Barry Township (Barry County)	2018	2
MI	Barton Township (Newaygo County)	2017	1
MI	Batavia Township (Branch County)	2017	1
MI	Bates Township (Iron County)	2018	1
MI	Battle Creek City (Calhoun County)	2017	11
MI	Bay Mills Township (Chippewa County)	2018	1
MI	Bay Township (Charlevoix County)	2017	1
MI	Bear Lake Township (Manistee County)	2017	1
MI	Bearinger Township (Presque Isle County)	2018	1
MI	Beaugrand Township (Cheboygan County)	2018	1
MI	Beaver Creek Township (Crawford County)	2018	1
MI	Beaver Township (Newaygo County)	2017	1
MI	Beaverton City (Gladwin County)	2017	1
MI	Beaverton Township (Gladwin County)	2017	1
MI	Bedford Township (Calhoun County)	2017	4
MI	Bedford Township (Monroe County)	2017	10
MI	Belknap Township (Presque Isle County)	2018	1
MI	Benona Township (Oceana County)	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Bentley Township (Gladwin County)	2017	1
MI	Benton Harbor City (Berrien County)	2017	4
MI	Benton Township (Berrien County)	2017	5
MI	Benton Township (Cheboygan County)	2018	1
MI	Benzie County	2018	1
MI	Benzonia Township (Benzie County)	2018	1
MI	Bergland Township (Ontonagon County)	2018	1
MI	Berlin Township (Monroe County)	2017	4
MI	Berrien County	2017	1
MI	Berrien Township (Berrien County)	2017	1
MI	Bertrand Township (Berrien County)	2017	1
MI	Bessemer City (Gogebic County)	2018	1
MI	Bessemer Township (Gogebic County)	2018	1
MI	Bethany Township (Gratiot County)	2017	1
MI	Bethel Township (Branch County)	2017	1
MI	Big Creek Township (Oscoda County)	2018	1
MI	Big Prairie Township (Newaygo County)	2017	1
MI	Big Rapids City (Mecosta County)	2017	3
MI	Big Rapids Township (Mecosta County)	2017	1
MI	Billings Township (Gladwin County)	2017	1
MI	Bingham Township (Huron County)	2017	1
MI	Bingham Township (Leelanau County)	2018	1
MI	Birch Run Township (Saginaw County)	2018	1
MI	Bismarck Township (Presque Isle County)	2018	1
MI	Blackman Charter Township (Jackson County)	2017	4
MI	Blaine Township (Benzie County)	2018	1
MI	Blissfield Township (Lenawee County)	2017	1
MI	Bloomfield Township (Huron County)	2017	1
MI	Bloomfield Township (Missaukee County)	2017	1
MI	Bloomingdale Township (Van Buren County)	2017	1
MI	Blue Lake Township (Kalkaska County)	2018	1
MI	Blumfield Township (Saginaw County)	2018	1
MI	Bohemia Township (Ontonagon County)	2018	1
MI	Bois Blanc Township (Mackinac County)	2017	1
MI	Boon Township (Wexford County)	2018	1
MI	Bourret Township (Gladwin County)	2017	1
MI	Bowne Township (Kent County)	2017	1
MI	Boyne City (Charlevoix County)	2017	1
MI	Boyne Valley Township (Charlevoix County)	2017	1
MI	Brady Township (Saginaw County)	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Branch County	2017	1
MI	Brant Township (Saginaw County)	2018	1
MI	Breen Township (Dickinson County)	2018	1
MI	Breitung Township (Dickinson County)	2018	3
MI	Brevort Township (Mackinac County)	2017	1
MI	Bridgehampton Township (Sanilac County)	2017	1
MI	Bridgeport Township (Saginaw County)	2018	4
MI	Bridgeton Township (Newaygo County)	2017	1
MI	Bridgman City (Berrien County)	2017	1
MI	Briley Township (Montmorency County)	2018	1
MI	Bronson City (Branch County)	2017	1
MI	Bronson Township (Branch County)	2017	1
MI	Brookfield Township (Huron County)	2017	1
MI	Brooks Township (Newaygo County)	2017	1
MI	Brown City (Sanilac County)	2017	1
MI	Brown Township (Manistee County)	2017	1
MI	Bruce Township (Chippewa County)	2018	1
MI	Buchanan City (Berrien County)	2017	2
MI	Buchanan Township (Berrien County)	2017	1
MI	Buckeye Township (Gladwin County)	2017	2
MI	Buel Township (Sanilac County)	2017	1
MI	Buena Vista Township (Saginaw County)	2018	3
MI	Bunker Hill Township (Ingham County)	2017	1
MI	Burdell Township (Osceola County)	2018	1
MI	Burleigh Township (Iosco County)	2017	1
MI	Burlington Township (Calhoun County)	2017	1
MI	Burlington Township (Lapeer County)	2017	1
MI	Burnside Township (Lapeer County)	2017	1
MI	Burr Oak Township (St Joseph County)	2017	1
MI	Burt Township (Cheboygan County)	2018	1
MI	Burtchville Township (St Clair County)	2018	1
MI	Butler Township (Branch County)	2017	1
MI	Butman Township (Gladwin County)	2017	1
MI	Butterfield Township (Missaukee County)	2017	1
MI	Byron Township (Kent County)	2017	8
MI	Cadillac City (Wexford County)	2018	3
MI	Caldwell Township (Missaukee County)	2017	1
MI	Caledonia Township (Alcona County)	2018	1
MI	Caledonia Township (Kent County)	2017	5
MI	Calhoun County	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	California Township (Branch County)	2017	1
MI	Calvin Township (Cass County)	2017	1
MI	Cambridge Township (Lenawee County)	2017	1
MI	Cannon Township (Kent County)	2017	5
MI	Carlton Township (Barry County)	2018	1
MI	Caro City (Tuscola County)	2017	4
MI	Carp Lake Township (Ontonagon County)	2018	2
MI	Carrollton Township (Saginaw County)	2018	2
MI	Cascade Township (Kent County)	2017	10
MI	Casco Township (Allegan County)	2018	1
MI	Case Township (Presque Isle County)	2018	1
MI	Caseville City (Huron County)	2017	1
MI	Caseville Township (Huron County)	2017	1
MI	Caspian City (Iron County)	2018	1
MI	Cass County	2017	1
MI	Castleton Township (Barry County)	2018	1
MI	Cedar Creek Township (Wexford County)	2018	1
MI	Cedar Springs City (Kent County)	2017	1
MI	Cedar Township (Osceola County)	2018	1
MI	Centerville Township (Leelanau County)	2018	1
MI	Central Lake Township (Antrim County)	2018	1
MI	Champion Township (Marquette County)	2017	1
MI	Chandler Township (Charlevoix County)	2017	1
MI	Chandler Township (Huron County)	2017	1
MI	Chapin Township (Saginaw County)	2018	1
MI	Charlevoix City (Charlevoix County)	2017	1
MI	Charlevoix County	2017	1
MI	Charlevoix Township (Charlevoix County)	2017	1
MI	Charlton Township (Otsego County)	2017	1
MI	Chase Township (Lake County)	2018	1
MI	Cheboygan City (Cheboygan County)	2018	1
MI	Cheboygan County	2018	1
MI	Cherry Grove Township (Wexford County)	2018	1
MI	Cherry Valley Township (Lake County)	2018	1
MI	Chesaning Township (Saginaw County)	2018	2
MI	Cheshire Township (Allegan County)	2018	1
MI	Chester Township (Otsego County)	2017	1
MI	Chestonia Township (Antrim County)	2018	1
MI	Chikaming Township (Berrien County)	2017	1
MI	Chippewa County	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Chippewa Township (Chippewa County)	2018	1
MI	Chippewa Township (Mecosta County)	2017	1
MI	Chocolay Township (Marquette County)	2017	2
MI	Churchill Township (Ogemaw County)	2018	1
MI	Clam Lake Township (Wexford County)	2018	1
MI	Clam Union Township (Missaukee County)	2017	1
MI	Clare County	2017	19
MI	Clarence Township (Calhoun County)	2017	1
MI	Clarendon Township (Calhoun County)	2017	1
MI	Clark Township (Mackinac County)	2017	1
MI	Clay Township (St Clair County)	2017	4
MI	Claybanks Township (Oceana County)	2018	1
MI	Clayton Township (Arenac County)	2018	1
MI	Clement Township (Gladwin County)	2017	1
MI	Cleon Township (Manistee County)	2017	1
MI	Cleveland Township (Leelanau County)	2018	1
MI	Clinton Township (Lenawee County)	2017	1
MI	Clinton Township (Oscoda County)	2018	1
MI	Clyde Township (Allegan County)	2018	1
MI	Coldwater City (Branch County)	2017	1
MI	Coldwater Township (Branch County)	2017	1
MI	Coleman City (Midland County)	2017	1
MI	Colfax Township (Benzie County)	2018	1
MI	Colfax Township (Huron County)	2017	1
MI	Colfax Township (Mecosta County)	2017	1
MI	Colfax Township (Oceana County)	2018	1
MI	Colfax Township (Wexford County)	2018	1
MI	Coloma City (Berrien County)	2017	1
MI	Coloma Township (Berrien County)	2017	1
MI	Colon Township (St Joseph County)	2017	1
MI	Columbia Township (Jackson County)	2017	2
MI	Columbia Township (Tuscola County)	2017	1
MI	Columbia Township (Van Buren County)	2017	1
MI	Columbus Township (Luce County)	2017	1
MI	Comins Township (Oscoda County)	2018	1
MI	Concord Township (Jackson County)	2017	1
MI	Constantine Township (St Joseph County)	2017	1
MI	Convis Township (Calhoun County)	2017	1
MI	Corwith Township (Otsego County)	2017	1
MI	Courtland Township (Kent County)	2017	3

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Covert Township (Van Buren County)	2017	1
MI	Covington Township (Baraga County)	2018	1
MI	Crawford County	2018	1
MI	Croswell City (Sanilac County)	2017	1
MI	Croton Township (Newaygo County)	2017	1
MI	Crystal Falls City (Iron County)	2018	1
MI	Crystal Falls Township (Iron County)	2018	1
MI	Crystal Lake Township (Benzie County)	2018	1
MI	Crystal Township (Oceana County)	2018	1
MI	Cumming Township (Ogemaw County)	2018	1
MI	Curtis Township (Alcona County)	2018	1
MI	Custer Township (Antrim County)	2018	1
MI	Custer Township (Sanilac County)	2017	1
MI	Dafter Township (Chippewa County)	2018	1
MI	Dayton Township (Newaygo County)	2017	1
MI	Dayton Township (Tuscola County)	2017	1
MI	Dearborn City (Wayne County)	2017	31
MI	Dearborn Heights City (Wayne County)	2017	19
MI	Decatur Township (Van Buren County)	2017	1
MI	Deep River Township (Arenac County)	2018	1
MI	Deerfield Township (Lapeer County)	2017	2
MI	Deerfield Township (Lenawee County)	2017	1
MI	Deerfield Township (Mecosta County)	2017	1
MI	Delaware Township (Sanilac County)	2017	1
MI	Delhi Township (Ingham County)	2017	7
MI	Delta County	2017	22
MI	Denmark Township (Tuscola County)	2017	5
MI	Denver Township (Newaygo County)	2017	1
MI	DeTour Township (Chippewa County)	2018	1
MI	Detroit City (Wayne County)	2017	235
MI	Dickinson County	2018	1
MI	Dickson Township (Manistee County)	2017	1
MI	Dorr Township (Allegan County)	2018	2
MI	Douglas City (Allegan County)	2018	1
MI	Dover Township (Lake County)	2018	1
MI	Dover Township (Lenawee County)	2017	1
MI	Dover Township (Otsego County)	2017	1
MI	Dowagiac City (Cass County)	2017	1
MI	Doyle Township (Schoolcraft County)	2017	1
MI	Drummond Township (Chippewa County)	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Dryden Township (Lapeer County)	2017	2
MI	Dundee Township (Monroe County)	2017	1
MI	Dwight Township (Huron County)	2017	1
MI	Eagle Harbor Township (Keweenaw County)	2018	1
MI	East Grand Rapids City (Kent County)	2017	6
MI	East Jordan City (Charlevoix County)	2017	1
MI	East Lansing City (Ingham County)	2017	15
MI	East Tawas City (Iosco County)	2017	1
MI	Echo Township (Antrim County)	2018	1
MI	Eckford Township (Calhoun County)	2017	1
MI	Eden Township (Lake County)	2018	1
MI	Edenville Township (Midland County)	2017	1
MI	Edwards Township (Ogemaw County)	2018	1
MI	Elba Township (Gratiot County)	2017	1
MI	Elba Township (Lapeer County)	2017	6
MI	Elbridge Township (Oceana County)	2018	1
MI	Elk Rapids Township (Antrim County)	2018	1
MI	Elk Township (Lake County)	2018	1
MI	Elk Township (Sanilac County)	2017	1
MI	Elkland Township (Tuscola County)	2017	2
MI	Ellington Township (Tuscola County)	2017	1
MI	Ellis Township (Cheboygan County)	2018	1
MI	Ellsworth Township (Lake County)	2018	1
MI	Elmer Township (Oscoda County)	2018	1
MI	Elmer Township (Sanilac County)	2017	1
MI	Elmira Township (Otsego County)	2017	1
MI	Elmwood Township (Leelanau County)	2018	2
MI	Elmwood Township (Tuscola County)	2017	3
MI	Ely Township (Marquette County)	2017	1
MI	Emerson Township (Gratiot County)	2017	1
MI	Emmett Township (Calhoun County)	2017	2
MI	Empire Township (Leelanau County)	2018	1
MI	Ensley Township (Newaygo County)	2017	1
MI	Enterprise Township (Missaukee County)	2017	1
MI	Erie Township (Monroe County)	2017	2
MI	Erwin Township (Gogebic County)	2018	1
MI	Evangeline Township (Charlevoix County)	2017	1
MI	Evart City (Osceola County)	2018	1
MI	Evart Township (Osceola County)	2018	1
MI	Eveline Township (Charlevoix County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Everett Township (Newaygo County)	2017	1
MI	Evergreen Township (Sanilac County)	2017	2
MI	Ewing Township (Marquette County)	2017	1
MI	Exeter Township (Monroe County)	2017	2
MI	Fabius Township (St Joseph County)	2017	1
MI	Fairfield Township (Lenawee County)	2017	1
MI	Fairgrove Township (Tuscola County)	2017	1
MI	Fairhaven Township (Huron County)	2017	1
MI	Fawn River Township (St Joseph County)	2017	1
MI	Felch Township (Dickinson County)	2018	1
MI	Fennville City (Allegan County)	2018	1
MI	Ferry Township (Oceana County)	2018	1
MI	Filer Township (Manistee County)	2017	1
MI	Fillmore Township (Allegan County)	2018	1
MI	Florence Township (St Joseph County)	2017	1
MI	Flowerfield Township (St Joseph County)	2017	1
MI	Flynn Township (Sanilac County)	2017	1
MI	Forest Home Township (Antrim County)	2018	1
MI	Forest Township (Cheboygan County)	2018	1
MI	Forest Township (Missaukee County)	2017	1
MI	Forester Township (Sanilac County)	2017	1
MI	Fork Township (Mecosta County)	2017	1
MI	Forsyth Township (Marquette County)	2017	3
MI	Fort Gratiot Township (St Clair County)	2017	5
MI	Foster Township (Ogemaw County)	2018	1
MI	Frankenmuth City (Saginaw County)	2018	1
MI	Frankenmuth Township (Saginaw County)	2018	1
MI	Frankfort City (Benzie County)	2018	1
MI	Franklin Township (Lenawee County)	2017	1
MI	Frederic Township (Crawford County)	2018	1
MI	Fredonia Township (Calhoun County)	2017	1
MI	Fremont City (Newaygo County)	2017	2
MI	Fremont Township (Saginaw County)	2018	1
MI	Fremont Township (Sanilac County)	2017	1
MI	Fremont Township (Tuscola County)	2017	2
MI	Frenchtown Township (Monroe County)	2017	7
MI	Fulton Township (Gratiot County)	2017	1
MI	Gaastra City (Iron County)	2018	1
MI	Gaines Township (Kent County)	2017	6
MI	Galien Township (Berrien County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Ganges Township (Allegan County)	2018	1
MI	Garfield Township (Mackinac County)	2017	2
MI	Garfield Township (Newaygo County)	2017	1
MI	Gaylord City (Otsego County)	2017	1
MI	Geneva Township (Midland County)	2017	1
MI	Geneva Township (Van Buren County)	2017	1
MI	Germfask Township (Schoolcraft County)	2017	1
MI	Gilead Township (Branch County)	2017	1
MI	Gilford Township (Tuscola County)	2017	2
MI	Gilmore Township (Benzie County)	2018	1
MI	Girard Township (Branch County)	2017	1
MI	Gladwin City (Gladwin County)	2017	2
MI	Gladwin County	2017	1
MI	Gladwin Township (Gladwin County)	2017	1
MI	Glen Arbor Township (Leelanau County)	2018	1
MI	Gobles City (Van Buren County)	2017	1
MI	Gogebic County	2018	1
MI	Golden Township (Oceana County)	2018	1
MI	Goodar Township (Ogemaw County)	2018	1
MI	Goodland Township (Lapeer County)	2017	1
MI	Goodwell Township (Newaygo County)	2017	1
MI	Gore Township (Huron County)	2017	1
MI	Grand Rapids City (Kent County)	2017	70
MI	Grand Rapids Township (Kent County)	2017	9
MI	Grandville City (Kent County)	2017	7
MI	Grant City (Newaygo County)	2017	1
MI	Grant Township (Cheboygan County)	2018	1
MI	Grant Township (Huron County)	2017	1
MI	Grant Township (Iosco County)	2017	1
MI	Grant Township (Keweenaw County)	2018	1
MI	Grant Township (Mecosta County)	2017	1
MI	Grant Township (Newaygo County)	2017	1
MI	Grant Township (Oceana County)	2018	1
MI	Grass Lake Township (Jackson County)	2017	3
MI	Gratiot County	2017	2
MI	Grattan Township (Kent County)	2017	2
MI	Grayling City (Crawford County)	2018	1
MI	Grayling Township (Crawford County)	2018	2
MI	Green Township (Alpena County)	2018	1
MI	Green Township (Mecosta County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Greenbush Township (Alcona County)	2018	1
MI	Greendale Township (Midland County)	2017	1
MI	Greenland Township (Ontonagon County)	2018	1
MI	Greenleaf Township (Sanilac County)	2017	1
MI	Greenwood Township (Oceana County)	2018	1
MI	Greenwood Township (Oscoda County)	2018	1
MI	Greenwood Township (Wexford County)	2018	1
MI	Grim Township (Gladwin County)	2017	1
MI	Grosse Pointe City (Wayne County)	2017	1
MI	Grosse Pointe Farms City (Wayne County)	2017	5
MI	Grosse Pointe Shores City (Wayne County)	2017	1
MI	Grosse Pointe Woods City (Wayne County)	2017	6
MI	Grout Township (Gladwin County)	2017	1
MI	Gunplain Township (Allegan County)	2018	1
MI	Gustin Township (Alcona County)	2018	1
MI	Hadley Township (Lapeer County)	2017	2
MI	Hagar Township (Berrien County)	2017	1
MI	Haight Township (Ontonagon County)	2018	1
MI	Hamilton Township (Gratiot County)	2017	1
MI	Hamilton Township (Van Buren County)	2017	1
MI	Hamtramck City (Wayne County)	2017	6
MI	Hanover Township (Jackson County)	2017	2
MI	Hanover Township (Wexford County)	2018	1
MI	Harbor Beach City (Huron County)	2017	1
MI	Haring Township (Wexford County)	2018	1
MI	Harper Woods City (Wayne County)	2017	4
MI	Harrisville City (Alcona County)	2018	1
MI	Harrisville Township (Alcona County)	2018	1
MI	Hart City (Oceana County)	2018	1
MI	Hart Township (Oceana County)	2018	1
MI	Hartford City (Van Buren County)	2017	1
MI	Hartford Township (Van Buren County)	2017	1
MI	Hartwick Township (Osceola County)	2018	1
MI	Hastings City (Barry County)	2018	2
MI	Hastings Township (Barry County)	2018	1
MI	Hawes Township (Alcona County)	2018	1
MI	Hay Township (Gladwin County)	2017	1
MI	Hayes Township (Charlevoix County)	2017	1
MI	Hayes Township (Otsego County)	2017	1
MI	Haynes Township (Alcona County)	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Heath Township (Allegan County)	2018	1
MI	Hebron Township (Cheboygan County)	2018	1
MI	Helena Township (Antrim County)	2018	1
MI	Hematite Township (Iron County)	2018	1
MI	Henderson Township (Wexford County)	2018	1
MI	Hendricks Township (Mackinac County)	2017	1
MI	Henrietta Township (Jackson County)	2017	1
MI	Hersey Township (Osceola County)	2018	1
MI	Hiawatha Township (Schoolcraft County)	2017	1
MI	Highland Township (Osceola County)	2018	1
MI	Hill Township (Ogemaw County)	2018	1
MI	Hillman Township (Montmorency County)	2018	1
MI	Hinton Township (Mecosta County)	2017	1
MI	Holland Township (Missaukee County)	2017	1
MI	Home Township (Newaygo County)	2017	1
MI	Homer Township (Calhoun County)	2017	1
MI	Homer Township (Midland County)	2017	1
MI	Homestead Township (Benzie County)	2018	1
MI	Hope Township (Barry County)	2018	1
MI	Hope Township (Midland County)	2017	1
MI	Hopkins Township (Allegan County)	2018	1
MI	Horton Township (Ogemaw County)	2018	1
MI	Houghton County	2017	32
MI	Houghton Township (Keweenaw County)	2018	1
MI	Howard Township (Cass County)	2017	2
MI	Hudson City (Lenawee County)	2017	1
MI	Hudson Township (Charlevoix County)	2017	1
MI	Hudson Township (Lenawee County)	2017	1
MI	Hudson Township (Mackinac County)	2017	2
MI	Hulbert Township (Chippewa County)	2018	1
MI	Humboldt Township (Marquette County)	2017	1
MI	Hume Township (Huron County)	2017	1
MI	Huron County	2017	1
MI	Huron Township (Huron County)	2017	1
MI	Huron Township (Wayne County)	2017	5
MI	Ida Township (Monroe County)	2017	1
MI	Imlay City (Lapeer County)	2017	1
MI	Imlay Township (Lapeer County)	2017	1
MI	Indianfields Township (Tuscola County)	2017	1
MI	Ingersoll Township (Midland County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Ingham County	2017	1
MI	Ingham Township (Ingham County)	2017	2
MI	Inkster City (Wayne County)	2017	9
MI	Inland Township (Benzie County)	2018	1
MI	Interior Township (Ontonagon County)	2018	1
MI	Inverness Township (Cheboygan County)	2018	1
MI	Inwood Township (Schoolcraft County)	2017	1
MI	Iosco County	2017	1
MI	Iron County	2018	1
MI	Iron Mountain City (Dickinson County)	2018	2
MI	Iron River City (Iron County)	2018	1
MI	Iron River Township (Iron County)	2018	1
MI	Ironwood City (Gogebic County)	2018	1
MI	Ironwood Township (Gogebic County)	2018	1
MI	Irving Township (Barry County)	2018	2
MI	Isabella County	2017	27
MI	Ishpeming City (Marquette County)	2017	2
MI	Ishpeming Township (Marquette County)	2017	1
MI	Ithaca City (Gratiot County)	2017	1
MI	Jackson City (Jackson County)	2017	7
MI	Jackson County	2017	1
MI	James Township (Saginaw County)	2018	1
MI	Jasper Township (Midland County)	2017	1
MI	Jefferson Township (Cass County)	2017	1
MI	Jerome Township (Midland County)	2017	1
MI	Johnstown Township (Barry County)	2018	2
MI	Jonesfield Township (Saginaw County)	2018	1
MI	Jordan Township (Antrim County)	2018	1
MI	Joyfield Township (Benzie County)	2018	1
MI	Juniata Township (Tuscola County)	2017	1
MI	Kalkaska County	2017	13
MI	Kasson Township (Leelanau County)	2018	1
MI	Kearney Township (Antrim County)	2018	1
MI	Keeler Township (Van Buren County)	2017	1
MI	Kent County	2017	1
MI	Kentwood City (Kent County)	2017	14
MI	Keweenaw County	2018	1
MI	Kinderhook Township (Branch County)	2017	1
MI	Kingsford City (Dickinson County)	2018	2
MI	Kingston Township (Tuscola County)	2017	2

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Kinross Township (Chippewa County)	2018	1
MI	Klacking Township (Ogemaw County)	2018	1
MI	Kochville Township (Saginaw County)	2018	1
MI	Koehler Township (Cheboygan County)	2018	1
MI	Koylton Township (Tuscola County)	2017	2
MI	Krakow Township (Presque Isle County)	2018	1
MI	La Grange Township (Cass County)	2017	1
MI	La Salle Township (Monroe County)	2017	2
MI	Lafayette Township (Gratiot County)	2017	1
MI	Lake City (Missaukee County)	2017	1
MI	Lake County	2018	1
MI	Lake Township (Benzie County)	2018	1
MI	Lake Township (Berrien County)	2017	1
MI	Lake Township (Huron County)	2017	1
MI	Lake Township (Lake County)	2018	1
MI	Lake Township (Missaukee County)	2017	1
MI	Lakefield Township (Luce County)	2017	1
MI	Lakefield Township (Saginaw County)	2018	1
MI	Laketown Township (Allegan County)	2018	2
MI	Lamotte Township (Sanilac County)	2017	1
MI	Lanse Township (Baraga County)	2018	1
MI	Lansing City (Ingham County)	2017	35
MI	Lansing Township (Ingham County)	2017	4
MI	Lapeer City (Lapeer County)	2017	4
MI	Lapeer County	2017	1
MI	Lapeer Township (Lapeer County)	2017	2
MI	Larkin Township (Midland County)	2017	2
MI	Lawrence Township (Van Buren County)	2017	1
MI	Le Roy Township (Osceola County)	2018	1
MI	Leavitt Township (Oceana County)	2018	1
MI	Lee Township (Allegan County)	2018	1
MI	Lee Township (Calhoun County)	2017	1
MI	Lee Township (Midland County)	2017	1
MI	Leelanau County	2018	1
MI	Leelanau Township (Leelanau County)	2018	1
MI	Leighton Township (Allegan County)	2018	1
MI	Leland Township (Leelanau County)	2018	1
MI	Lenawee County	2017	2
MI	Leoni Township (Jackson County)	2017	3
MI	Leonidas Township (St Joseph County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Leroy Township (Calhoun County)	2017	1
MI	Leroy Township (Ingham County)	2017	2
MI	Leslie City (Ingham County)	2017	1
MI	Leslie Township (Ingham County)	2017	1
MI	Lexington Township (Sanilac County)	2017	1
MI	Liberty Township (Jackson County)	2017	2
MI	Liberty Township (Wexford County)	2018	1
MI	Lilley Township (Newaygo County)	2017	1
MI	Lincoln Charter Township (Berrien County)	2017	6
MI	Lincoln Township (Arenac County)	2018	1
MI	Lincoln Township (Huron County)	2017	1
MI	Lincoln Township (Midland County)	2017	1
MI	Lincoln Township (Newaygo County)	2017	1
MI	Lincoln Township (Osceola County)	2018	1
MI	Livingston Township (Otsego County)	2017	1
MI	Livonia City (Wayne County)	2017	18
MI	Locke Township (Ingham County)	2017	1
MI	Lockport Township (St Joseph County)	2017	1
MI	Logan Township (Ogemaw County)	2018	1
MI	London Township (Monroe County)	2017	1
MI	Long Rapids Township (Alpena County)	2018	1
MI	Loud Township (Montmorency County)	2018	1
MI	Lovells Township (Crawford County)	2018	1
MI	Lowell City (Kent County)	2017	1
MI	Lowell Township (Kent County)	2017	1
MI	Luce County	2017	1
MI	Luna Pier City (Monroe County)	2017	1
MI	Mackinac County	2017	1
MI	Mackinac Island City (Mackinac County)	2017	1
MI	Mackinaw Township (Cheboygan County)	2018	1
MI	Macon Township (Lenawee County)	2017	1
MI	Madison Township (Lenawee County)	2017	1
MI	Mancelona Township (Antrim County)	2018	1
MI	Manistee City (Manistee County)	2017	2
MI	Manistee County	2017	1
MI	Manistee Township (Manistee County)	2017	1
MI	Manistique City (Schoolcraft County)	2017	2
MI	Manistique Township (Schoolcraft County)	2017	1
MI	Manlius Township (Allegan County)	2018	1
MI	Mansfield Township (Iron County)	2018	2

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Manton City (Wexford County)	2018	1
MI	Maple Forest Township (Crawford County)	2018	1
MI	Maple Grove Township (Barry County)	2018	1
MI	Maple Grove Township (Manistee County)	2017	1
MI	Maple Grove Township (Saginaw County)	2018	1
MI	Maple Ridge Township (Alpena County)	2018	1
MI	Maple Valley Township (Sanilac County)	2017	1
MI	Marathon Township (Lapeer County)	2017	2
MI	Marcellus Township (Cass County)	2017	1
MI	Marengo Township (Calhoun County)	2017	1
MI	Marenisco Township (Gogebic County)	2018	1
MI	Marilla Township (Manistee County)	2017	1
MI	Marion Township (Charlevoix County)	2017	1
MI	Marion Township (Osceola County)	2018	1
MI	Marion Township (Saginaw County)	2018	1
MI	Marion Township (Sanilac County)	2017	1
MI	Marlette City (Sanilac County)	2017	1
MI	Marlette Township (Sanilac County)	2017	1
MI	Marquette City (Marquette County)	2017	3
MI	Marquette County	2017	1
MI	Marquette Township (Mackinac County)	2017	1
MI	Marquette Township (Marquette County)	2017	2
MI	Marshall City (Calhoun County)	2017	1
MI	Marshall Township (Calhoun County)	2017	1
MI	Martin Township (Allegan County)	2018	1
MI	Martiny Township (Mecosta County)	2017	1
MI	Marysville City (St Clair County)	2017	5
MI	Mason City (Ingham County)	2017	2
MI	Mason Township (Arenac County)	2018	1
MI	Mason Township (Cass County)	2017	1
MI	Mastodon Township (Iron County)	2018	2
MI	Matchwood Township (Ontonagon County)	2018	1
MI	Matteson Township (Branch County)	2017	1
MI	Mayfield Township (Lapeer County)	2017	2
MI	Mcbain City (Missaukee County)	2017	1
MI	Mckinley Township (Huron County)	2017	1
MI	McMillan Township (Luce County)	2017	1
MI	Mcmillan Township (Ontonagon County)	2018	1
MI	Meade Township (Huron County)	2017	1
MI	Mecosta County	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Mecosta Township (Mecosta County)	2017	1
MI	Medina Township (Lenawee County)	2017	1
MI	Melrose Township (Charlevoix County)	2017	1
MI	Mendon Township (St Joseph County)	2017	1
MI	Menominee County	2017	17
MI	Mentor Township (Cheboygan County)	2018	1
MI	Mentor Township (Oscoda County)	2018	1
MI	Meridian Township (Ingham County)	2017	19
MI	Merrill Township (Newaygo County)	2017	1
MI	Metamora Township (Lapeer County)	2017	2
MI	Metz Township (Presque Isle County)	2018	1
MI	Michigamme Township (Marquette County)	2017	1
MI	Michigan Department of State	2017	1
MI	Middle Branch Township (Osceola County)	2018	1
MI	Midland City (Midland County)	2017	16
MI	Midland County	2017	1
MI	Midland Township (Midland County)	2017	1
MI	Mikado Township (Alcona County)	2018	1
MI	Milan Township (Monroe County)	2017	1
MI	Millbrook Township (Mecosta County)	2017	1
MI	Millen Township (Alcona County)	2018	1
MI	Millington Township (Tuscola County)	2017	2
MI	Mills Township (Midland County)	2017	1
MI	Mills Township (Ogemaw County)	2018	1
MI	Milton Township (Antrim County)	2018	1
MI	Milton Township (Cass County)	2017	1
MI	Minden Township (Sanilac County)	2017	1
MI	Missaukee County	2017	1
MI	Mitchell Township (Alcona County)	2018	1
MI	Moffatt Township (Arenac County)	2018	1
MI	Moltke Township (Presque Isle County)	2018	1
MI	Monroe City (Monroe County)	2017	6
MI	Monroe County	2017	1
MI	Monroe Township (Monroe County)	2017	3
MI	Monroe Township (Newaygo County)	2017	1
MI	Monterey Township (Allegan County)	2018	1
MI	Montmorency County	2018	1
MI	Montmorency Township (Montmorency County)	2018	2
MI	Moore Township (Sanilac County)	2017	1
MI	Moran Township (Mackinac County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Morenci City (Lenawee County)	2017	1
MI	Morton Township (Mecosta County)	2017	2
MI	Mottville Township (St Joseph County)	2017	1
MI	Mount Haley Township (Midland County)	2017	1
MI	Mueller Township (Schoolcraft County)	2017	1
MI	Mullett Township (Cheboygan County)	2018	1
MI	Munro Township (Cheboygan County)	2018	1
MI	Napoleon Township (Jackson County)	2017	2
MI	Negaunee City (Marquette County)	2017	2
MI	Negaunee Township (Marquette County)	2017	1
MI	Nelson Township (Kent County)	2017	2
MI	New Buffalo City (Berrien County)	2017	1
MI	New Buffalo Township (Berrien County)	2017	1
MI	New Haven Township (Gratiot County)	2017	1
MI	Newark Township (Gratiot County)	2017	1
MI	Newaygo City (Newaygo County)	2017	1
MI	Newaygo County	2017	1
MI	Newberg Township (Cass County)	2017	1
MI	Newfield Township (Oceana County)	2018	1
MI	Newkirk Township (Lake County)	2018	1
MI	Newton Township (Calhoun County)	2017	1
MI	Newton Township (Mackinac County)	2017	1
MI	Niles City (Berrien County)	2017	3
MI	Niles Township (Berrien County)	2017	10
MI	Noble Township (Branch County)	2017	1
MI	Norman Township (Manistee County)	2017	1
MI	North Allis Township (Presque Isle County)	2018	1
MI	North Branch Township (Lapeer County)	2017	2
MI	North Shade Township (Gratiot County)	2017	1
MI	North Star Township (Gratiot County)	2017	1
MI	Norvell Township (Jackson County)	2017	2
MI	Norway City (Dickinson County)	2018	1
MI	Norway Township (Dickinson County)	2018	1
MI	Norwich Township (Missaukee County)	2017	1
MI	Norwich Township (Newaygo County)	2017	1
MI	Norwood Township (Charlevoix County)	2017	1
MI	Nottawa Township (St Joseph County)	2017	1
MI	Novesta Township (Tuscola County)	2017	1
MI	Nunda Township (Cheboygan County)	2018	1
MI	Oakfield Township (Kent County)	2017	2

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Oceana County	2018	1
MI	Ocqueoc Township (Presque Isle County)	2018	1
MI	Ogden Township (Lenawee County)	2017	1
MI	Ogemaw County	2018	1
MI	Ogemaw Township (Ogemaw County)	2018	1
MI	Oliver Township (Huron County)	2017	1
MI	Omer City (Arenac County)	2018	1
MI	Onaway (Presque Isle County)	2018	1
MI	Onekama Township (Manistee County)	2017	1
MI	Onondaga Township (Ingham County)	2017	1
MI	Ontonagon County	2018	1
MI	Ontonagon Township (Ontonagon County)	2018	1
MI	Ontwa Township (Cass County)	2017	1
MI	Orangeville Township (Barry County)	2018	1
MI	Oregon Township (Lapeer County)	2017	2
MI	Orient Township (Osceola County)	2018	1
MI	Oronoko Township (Berrien County)	2017	3
MI	Osceola County	2018	1
MI	Osceola Township (Osceola County)	2018	1
MI	Oscoda County	2018	1
MI	Oscoda Township (Iosco County)	2017	1
MI	Ossineke Township (Alpena County)	2018	1
MI	Otsego City (Allegan County)	2018	1
MI	Otsego County	2017	1
MI	Otsego Lake Township (Otsego County)	2017	1
MI	Otsego Township (Allegan County)	2018	1
MI	Otto Township (Oceana County)	2018	1
MI	Overisel Township (Allegan County)	2018	1
MI	Ovid Township (Branch County)	2017	1
MI	Palmyra Township (Lenawee County)	2017	1
MI	Paris Township (Huron County)	2017	1
MI	Park Township (St Joseph County)	2017	1
MI	Parma Township (Jackson County)	2017	1
MI	Paw Township (Van Buren County)	2017	1
MI	Peacock Township (Lake County)	2018	1
MI	Peaine Township (Charlevoix County)	2017	1
MI	Penn Township (Cass County)	2017	1
MI	Pennfield Township (Calhoun County)	2017	3
MI	Pentland Township (Luce County)	2017	1
MI	Pentwater Township (Oceana County)	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Petersburg City (Monroe County)	2017	1
MI	Pickford Township (Chippewa County)	2018	1
MI	Pine Grove Township (Van Buren County)	2017	1
MI	Pine River Township (Gratiot County)	2017	1
MI	Pinora Township (Lake County)	2018	1
MI	Pioneer Township (Missaukee County)	2017	1
MI	Pipestone Township (Berrien County)	2017	1
MI	Plainfield Township (Iosco County)	2017	1
MI	Plainfield Township (Kent County)	2017	11
MI	Plainwell City (Allegan County)	2018	1
MI	Platte Township (Benzie County)	2018	1
MI	Pleasant Plains Township (Lake County)	2018	1
MI	Pleasanton Township (Manistee County)	2017	1
MI	Pointe Aux Barques Township (Huron County)	2017	1
MI	Pokagon Township (Cass County)	2017	1
MI	Port Austin Township (Huron County)	2017	1
MI	Port Huron City (St Clair County)	2017	10
MI	Portage Township (Mackinac County)	2017	1
MI	Porter Township (Cass County)	2017	3
MI	Porter Township (Midland County)	2017	1
MI	Porter Township (Van Buren County)	2017	1
MI	Posen Township (Presque Isle County)	2018	1
MI	Powell Township (Marquette County)	2017	2
MI	Prairieville Township (Barry County)	2018	1
MI	Presque Isle County	2018	1
MI	Presque Isle Township (Presque Isle County)	2018	1
MI	Pulaski Township (Jackson County)	2017	1
MI	Pulawski Township (Presque Isle County)	2018	1
MI	Quincy Township (Branch County)	2017	1
MI	Raber Township (Chippewa County)	2018	1
MI	Raisin Township (Lenawee County)	2017	1
MI	Raisinville Township (Monroe County)	2017	2
MI	Reed City (Osceola County)	2018	1
MI	Reeder Township (Missaukee County)	2017	1
MI	Reno Township (Iosco County)	2017	1
MI	Republic Township (Marquette County)	2017	1
MI	Rich Township (Lapeer County)	2017	1
MI	Richland Township (Missaukee County)	2017	1
MI	Richland Township (Ogemaw County)	2018	1
MI	Richland Township (Saginaw County)	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Richmond Township (Marquette County)	2017	1
MI	Richmond Township (Osceola County)	2018	1
MI	Ridgeway Township (Lenawee County)	2017	1
MI	Riga Township (Lenawee County)	2017	1
MI	Riley Township (St Clair County)	2017	1
MI	Riverside Township (Missaukee County)	2017	1
MI	Rives Township (Jackson County)	2017	2
MI	Rockford City (Kent County)	2017	2
MI	Rockland Township (Ontonagon County)	2018	1
MI	Rogers City (Presque Isle County)	2018	1
MI	Rogers Township (Presque Isle County)	2018	1
MI	Rollin Township (Lenawee County)	2017	1
MI	Rome Township (Lenawee County)	2017	1
MI	Romulus City (Wayne County)	2017	10
MI	Rose City (Ogemaw County)	2018	1
MI	Rose Lake Township (Osceola County)	2018	1
MI	Rose Township (Ogemaw County)	2018	1
MI	Royalton Township (Berrien County)	2017	2
MI	Rubicon Township (Huron County)	2017	1
MI	Rudyard Township (Chippewa County)	2018	2
MI	Rust Township (Montmorency County)	2018	1
MI	Rutland Township (Barry County)	2018	2
MI	Sage Township (Gladwin County)	2017	2
MI	Saginaw City (Saginaw County)	2017	12
MI	Saginaw County	2018	1
MI	Saginaw Township (Saginaw County)	2018	16
MI	Sagola Township (Dickinson County)	2018	2
MI	Saint Joseph City (Berrien County)	2017	3
MI	Saint Joseph Township (Berrien County)	2017	4
MI	Salem Township (Allegan County)	2018	1
MI	Sanborn Township (Alpena County)	2018	1
MI	Sand Beach Township (Huron County)	2017	1
MI	Sands Township (Marquette County)	2017	1
MI	Sandstone Township (Jackson County)	2017	3
MI	Sandusky City (Sanilac County)	2017	3
MI	Sanilac County	2017	1
MI	Sanilac Township (Sanilac County)	2017	2
MI	Sauble Township (Lake County)	2018	1
MI	Saugatuck City (Allegan County)	2018	1
MI	Saugatuck Township (Allegan County)	2018	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Sault Ste Marie City (Chippewa County)	2018	4
MI	Schoolcraft County	2017	1
MI	Sebewaing Township (Huron County)	2017	1
MI	Secord Township (Gladwin County)	2017	2
MI	Selma Township (Wexford County)	2018	1
MI	Seneca Township (Lenawee County)	2017	1
MI	Seney Township (Schoolcraft County)	2017	1
MI	Seville Township (Gratiot County)	2017	1
MI	Shelby Township (Oceana County)	2018	2
MI	Sheridan Township (Calhoun County)	2017	1
MI	Sheridan Township (Huron County)	2017	1
MI	Sheridan Township (Mecosta County)	2017	1
MI	Sheridan Township (Newaygo County)	2017	2
MI	Sherman Township (Gladwin County)	2017	1
MI	Sherman Township (Huron County)	2017	1
MI	Sherman Township (Iosco County)	2017	1
MI	Sherman Township (Keweenaw County)	2018	1
MI	Sherman Township (Newaygo County)	2017	1
MI	Sherman Township (Osceola County)	2018	1
MI	Sherman Township (St Joseph County)	2017	1
MI	Sherwood Township (Branch County)	2017	1
MI	Shiawassee County	2017	27
MI	Sigel Township (Huron County)	2017	1
MI	Silver Creek Township (Cass County)	2017	1
MI	Sims Township (Arenac County)	2018	1
MI	Skandia Township (Marquette County)	2017	1
MI	Slagle Township (Wexford County)	2018	1
MI	Sodus Township (Berrien County)	2017	1
MI	Solon Township (Kent County)	2017	2
MI	Solon Township (Leelanau County)	2018	1
MI	Soo Township (Chippewa County)	2018	2
MI	South Arm Township (Charlevoix County)	2017	1
MI	South Branch Township (Crawford County)	2018	1
MI	South Branch Township (Wexford County)	2018	1
MI	South Haven City (Van Buren County)	2017	1
MI	South Haven Township (Van Buren County)	2017	1
MI	Sparta Township (Kent County)	2017	1
MI	Spaulding Township (Saginaw County)	2018	1
MI	Speaker Township (Sanilac County)	2017	1
MI	Spencer Township (Kent County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Spring Arbor Township (Jackson County)	2017	2
MI	Springdale Township (Manistee County)	2017	1
MI	Springfield City (Calhoun County)	2017	2
MI	Springport Township (Jackson County)	2017	1
MI	Springville Township (Wexford County)	2018	1
MI	Spurr Township (Baraga County)	2018	1
MI	St Charles Township (Saginaw County)	2018	2
MI	St Clair County	2017	34
MI	St Ignace City (Mackinac County)	2017	1
MI	St Ignace Township (Mackinac County)	2017	1
MI	St James Township (Charlevoix County)	2017	1
MI	St Joseph County	2017	1
MI	St Louis City (Gratiot County)	2017	1
MI	Stambaugh Township (Iron County)	2018	1
MI	Standish City (Arenac County)	2018	1
MI	Standish Township (Arenac County)	2018	1
MI	Stannard Township (Ontonagon County)	2018	1
MI	Star Township (Antrim County)	2018	1
MI	Stockbridge Township (Ingham County)	2017	1
MI	Stronach Township (Manistee County)	2017	1
MI	Sturgis City (St Joseph County)	2017	1
MI	Sturgis Township (St Joseph County)	2017	1
MI	Sugar Island Township (Chippewa County)	2018	1
MI	Summerfield Township (Monroe County)	2017	1
MI	Summit Township (Jackson County)	2017	4
MI	Sumner Township (Gratiot County)	2017	1
MI	Sumpter Township (Wayne County)	2017	4
MI	Superior Township (Chippewa County)	2018	2
MI	Suttons Bay Township (Leelanau County)	2018	1
MI	Swan Creek Township (Saginaw County)	2018	1
MI	Sweetwater Township (Lake County)	2018	1
MI	Sylvan Township (Osceola County)	2018	1
MI	Tawas City (Iosco County)	2017	1
MI	Tawas Township (Iosco County)	2017	1
MI	Taylor City (Wayne County)	2017	13
MI	Taymouth Township (Saginaw County)	2018	1
MI	Tecumseh City (Lenawee County)	2017	3
MI	Tecumseh Township (Lenawee County)	2017	1
MI	Tekonsha Township (Calhoun County)	2017	1
MI	Thomas Township (Saginaw County)	2018	4

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Thompson Township (Schoolcraft County)	2017	1
MI	Thornapple Township (Barry County)	2018	3
MI	Three Oaks Township (Berrien County)	2017	1
MI	Three Rivers City (St Joseph County)	2017	1
MI	Tilden Township (Marquette County)	2017	1
MI	Tittabawassee Township (Saginaw County)	2018	2
MI	Tobacco Township (Gladwin County)	2017	1
MI	Tompkins Township (Jackson County)	2017	1
MI	Torch Lake Township (Antrim County)	2018	1
MI	Trout Lake Township (Chippewa County)	2018	1
MI	Trowbridge Township (Allegan County)	2018	1
MI	Troy Township (Newaygo County)	2017	1
MI	Turin Township (Marquette County)	2017	1
MI	Turner Township (Arenac County)	2018	1
MI	Tuscarora Township (Cheboygan County)	2018	1
MI	Tuscola County	2017	1
MI	Tuscola Township (Tuscola County)	2017	2
MI	Tyrone Township (Kent County)	2017	1
MI	Union Township (Branch County)	2017	1
MI	Valley Township (Allegan County)	2018	1
MI	Van Buren County	2017	1
MI	Vassar City (Tuscola County)	2017	2
MI	Vassar Township (Tuscola County)	2017	4
MI	Vergennes Township (Kent County)	2017	2
MI	Verona Township (Huron County)	2017	1
MI	Vevay Township (Ingham County)	2017	1
MI	Vienna Township (Montmorency County)	2018	1
MI	Volinia Township (Cass County)	2017	1
MI	Wakefield City (Gogebic County)	2018	1
MI	Wakefield Township (Gogebic County)	2018	1
MI	Walker City (Kent County)	2017	8
MI	Walker Township (Cheboygan County)	2018	1
MI	Warner Township (Antrim County)	2018	1
MI	Warren Township (Midland County)	2017	1
MI	Washington Township (Gratiot County)	2017	1
MI	Washington Township (Sanilac County)	2017	1
MI	Waterloo Township (Jackson County)	2017	1
MI	Watersmeet Township (Gogebic County)	2018	1
MI	Watertown Township (Sanilac County)	2017	1
MI	Watertown Township (Tuscola County)	2017	1

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Watervliet City (Berrien County)	2017	1
MI	Watervliet Township (Berrien County)	2017	1
MI	Watson Township (Allegan County)	2018	1
MI	Waucedah Township (Dickinson County)	2018	1
MI	Waverly Township (Cheboygan County)	2018	1
MI	Waverly Township (Van Buren County)	2017	1
MI	Wayland City (Allegan County)	2018	1
MI	Wayland Township (Allegan County)	2018	1
MI	Wayne County	2017	173
MI	Wayne Township (Cass County)	2017	1
MI	Weare Township (Oceana County)	2018	1
MI	Webber Township (Lake County)	2018	1
MI	Weesaw Township (Berrien County)	2017	1
MI	Weldon Township (Benzie County)	2018	1
MI	Wellington Township (Alpena County)	2018	1
MI	Wells Township (Marquette County)	2017	1
MI	Wells Township (Tuscola County)	2017	1
MI	West Branch City (Ogemaw County)	2018	2
MI	West Branch Township (Dickinson County)	2018	1
MI	West Branch Township (Marquette County)	2017	1
MI	West Branch Township (Missaukee County)	2017	1
MI	West Branch Township (Ogemaw County)	2018	1
MI	Westland City (Wayne County)	2017	21
MI	Wexford County	2018	1
MI	Wexford Township (Wexford County)	2018	1
MI	Wheatfield Township (Ingham County)	2017	1
MI	Wheatland Township (Mecosta County)	2017	1
MI	Wheatland Township (Sanilac County)	2017	1
MI	Wheeler Township (Gratiot County)	2017	1
MI	White Cloud City (Newaygo County)	2017	1
MI	White Oak Township (Ingham County)	2017	1
MI	White Pigeon Township (St Joseph County)	2017	1
MI	Whitefish Township (Chippewa County)	2018	1
MI	Whiteford Township (Monroe County)	2017	1
MI	Whitney Township (Arenac County)	2018	1
MI	Whittemore City (Iosco County)	2017	1
MI	Wilber Township (Iosco County)	2017	1
MI	Wilcox Township (Newaygo County)	2017	1
MI	Williamston City (Ingham County)	2017	1
MI	Williamstown Township (Ingham County)	2017	2

State	Jurisdiction	Year Implemented	ICX w/BMD
MI	Wilmot Township (Cheboygan County)	2018	1
MI	Wilson Township (Alpena County)	2018	1
MI	Wilson Township (Charlevoix County)	2017	1
MI	Winsor Township (Huron County)	2017	1
MI	Wisner Township (Tuscola County)	2017	1
MI	Woodland Township (Barry County)	2018	2
MI	Woodstock Township (Lenawee County)	2017	2
MI	Worth Township (Sanilac County)	2017	1
MI	Wyoming City (Kent County)	2017	22
MI	Yale City (St Clair County)	2017	1
MI	Yankee Springs Township (Barry County)	2018	2
MI	Yates Township (Lake County)	2018	1
MI	Zilwaukee City (Saginaw County)	2018	1
MI	Zilwaukee Township (Saginaw County)	2018	1
OH	Huron County	2019	2
PA	Armstrong County	2019	72
PA	Crawford County	2019	204
PA	Montgomery County	2019	450
PA	Pike County	2019	25
		Grand Total:	**12,013**

Below Dominion is pleased to provide a list of our customers that leverage the ImageCast X's easy to use touchscreen with a ERD-VVPAT configuration.

State	Jurisdiction	Year Needed	ICX w/ERD-VVPAT
OH	Adams County	2019	105
OH	Butler County	2019	1500
OH	Greene County	2019	660
OH	Hancock County	2019	290
OH	Hardin County	2019	125
OH	Perry County	2019	140
OH	Richland County	2019	520
OH	Scioto County	2019	290
OH	Wayne County	2019	440
OH	Wood County	2019	525
NJ	Essex County (SOE)	2018	4
NV	Churchill County	2017	65
NV	Churchill County	2018	9

State	Jurisdiction	Year Needed	ICX w/ERD-VVPAT
NV	Douglas County	2018	151
NV	Elko County	2018	104
NV	Esmeralda County	2018	13
NV	Eureka County	2018	10
NV	Humboldt County	2018	34
NV	Lander County	2018	25
NV	Lincoln County	2018	27
NV	Lyon County	2018	154
NV	Mineral County	2018	27
NV	Nevada State	2018	2
NV	Nye County	2018	134
NV	Pershing County	2018	20
NV	Storey County	2018	24
NV	Storey County	2017	2
NV	Washoe County	2017	1325
NV	White Pine County	2018	19
OH	Fairfield County	2019	630
UT	Utah County	2018	100
NV	Clark County	2017	5000
		Grand Total:	**12,474**

Question #2

Provide a plan for polling place setup that includes all necessary components for a fully-executable election based on current Georgia voter activity (i.e. with approximately 90% of voting occurring in-person).

Dominion Response

Polling Place Setup Plan

Setup Materials – many of the items below are pre-delivered prior to Election Day.

ICX-BMD Units

- Voter Smart Cards
- Pollworker Smart Cards
- Ballot Paper
- UPS Unit for BMD Printer Battery Backup
- Voting Booths – ICX in soft case, BMD in soft case
- or ICX-BMD Carts containing ICX, BMD and UPS t

ICP Tabulator

- Ballot Box Keys
- iButton Security Key
- Sealed and Secure Ballot Box containing ICP device

Poll Pads

- Poll Pad cases with tables and chairs for setting up Poll Pads for voter check in and voter smart card creation

Other Supplies

- Power Strips as needed
- All State/County Required Forms
- Seals for ICP and ICX-BMD devices
- Provisional Ballots
- Ballot Marking Pens for Provisional Ballots
- Ballot Marking Booths for Provisional Ballots or individuals requesting a hand marked ballot
- Fail safe Ballots as deemed necessary
- 'I Voted' Stickers
- Transfer Cases/Bags for Transport of Voted Ballots and Tabulator Memory Cards
- Signage

Setup

The Polling Place should be set up to facilitate the movement of voters through the space. The ICP tabulator should be set up near the exit so that voters can insert their ballots and return their voter smart cards before leaving the Polling Place. The Ballot Box is easily rolled into position and the wheels have locking casters preventing the box from moving as Voters insert their ballots. ICX-BMD voting stations should be arranged so to permit voter privacy. See Polling Place Setup diagram below.

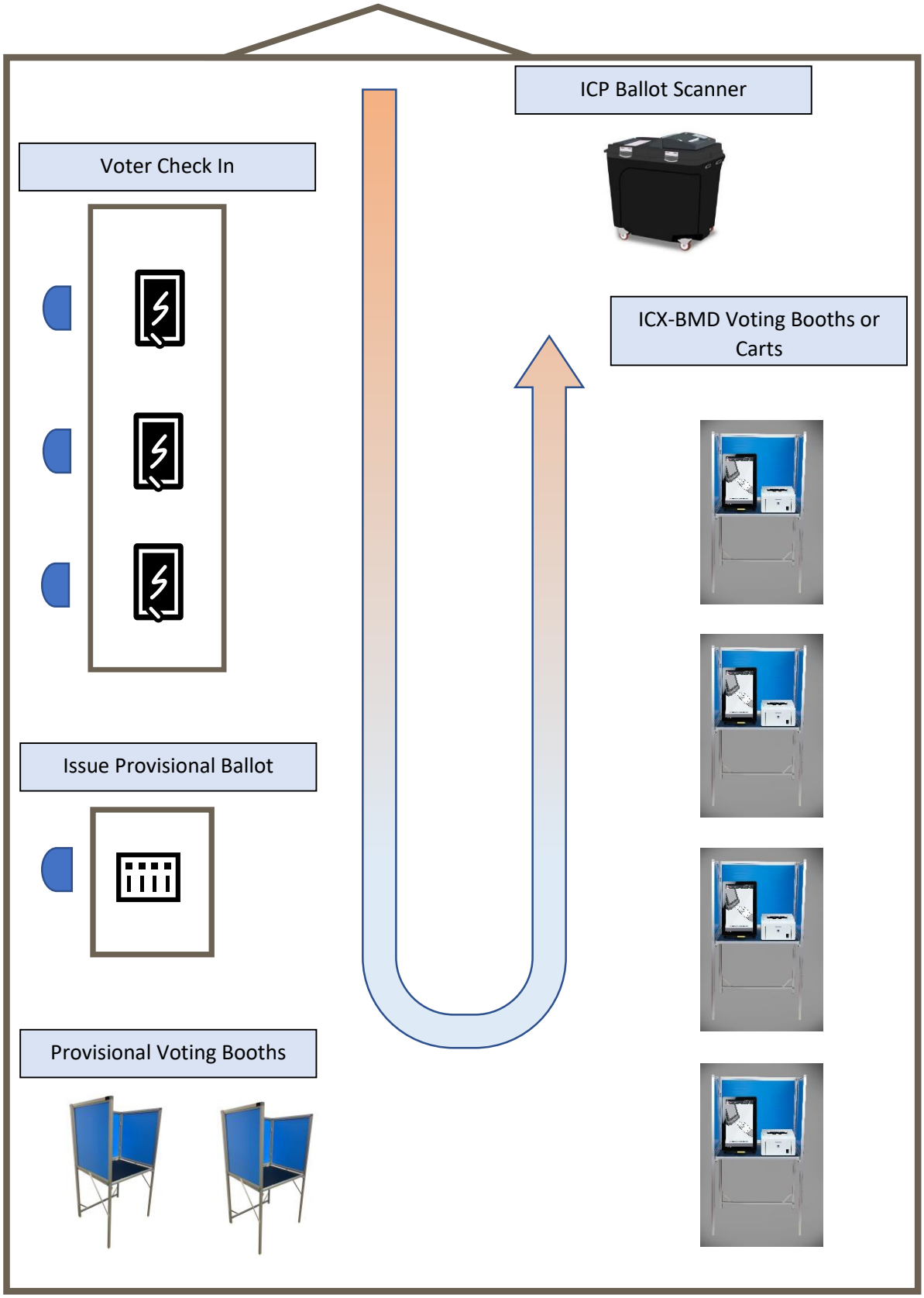
- Set up Voter Check In tables.
- Plug in and power up Poll Pad units
- Set up Provisional Ballot Issuing table with Provisional Ballots
- Set up Provisional Voting Booths
- Set up and position ICX-BMD Voting Booths or ICX-BMD Carts to maximize voter privacy
- Plug in and power on UPS Unit
- Plug BMD Printer(s) into UPS Unit and power on BMD Printer(s)
- Plug ICX Units into power strips and power on
- Open Polls on ICX-BMD Units
- Break Seals and Remove Security Lid from the ICP tabulator
- Plug in the ICP tabulator (turn on is automatic)
- On the ICP tabulator, open the polls and print the zero totals report
- Reapply Security Seals on all devices as required
- Poll Workers sign Zero tape

Voting Activity

- Voter Checks in and receives Ballot Activation Smart Card
- Voter advances to any available ICX-BMD station
- Voter navigates ballot and prints their ballot
- After review of the ballot, the voter walks to the ICP scanner and inserts their ballot
- Periodic reconciliation of the Registration totals to the number of ballots printed by the ICX-BMD stations compared to the Public Counter on the ICP

Poll Closing

- The number of voted ballots per the ICP Scanner are compared to the Poll Book registration process
- Any differences should be reconciled
- Once reconciled, the ICP is closed and results tapes printed
- Ballots are removed from the ICP secure Ballot Box and placed in a secure transfer case or bag
- Remove the Poll Worker memory card and place the memory card from the ICP into a secure transport envelope
- Power down the ICP and all ICX-BMD stations
- Pack all supplies, devices and cords as instructed in training class for pick up and transport back to the election office.


ICP Ballot Scanner
Voter Check In
ICX-BMD Voting Booths or Carts
Issue Provisional Ballot
Provisional Voting Booths

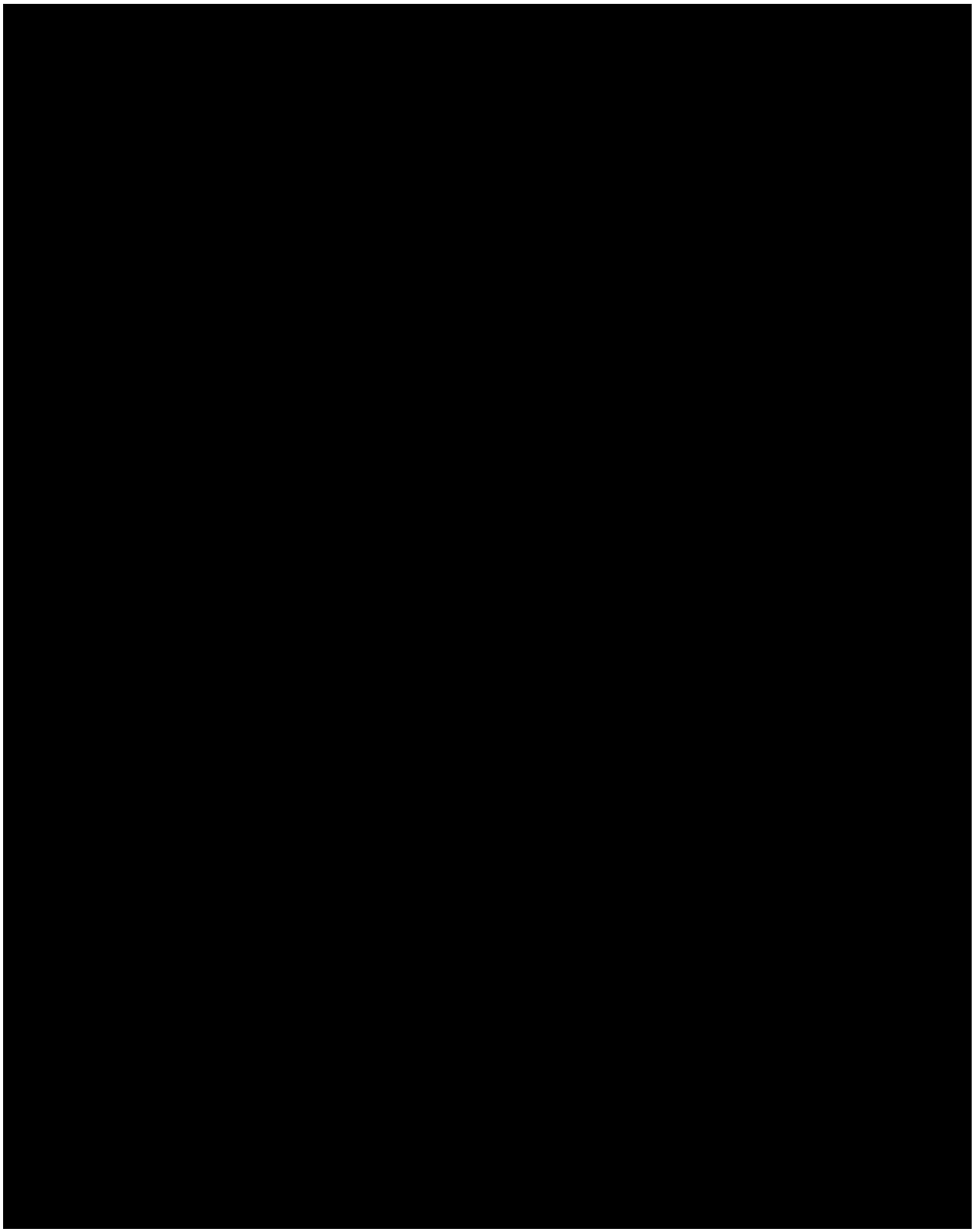
KNOWiNK Response

Complete step-by-step details on the procedure to set-up the KNOWiNK Poll Pad can be found in *Attachment 1_ KNOWiNK Poll Pad Training Guide,* submitted as a separate .PDF file with this response.

Question #3

Provide a narrative explanation of how your hashing solution will allow election officials to readily conduct hash verification of all applicable components. Include a list of components that are able to be hash verified and all that are not able to be hash verified.

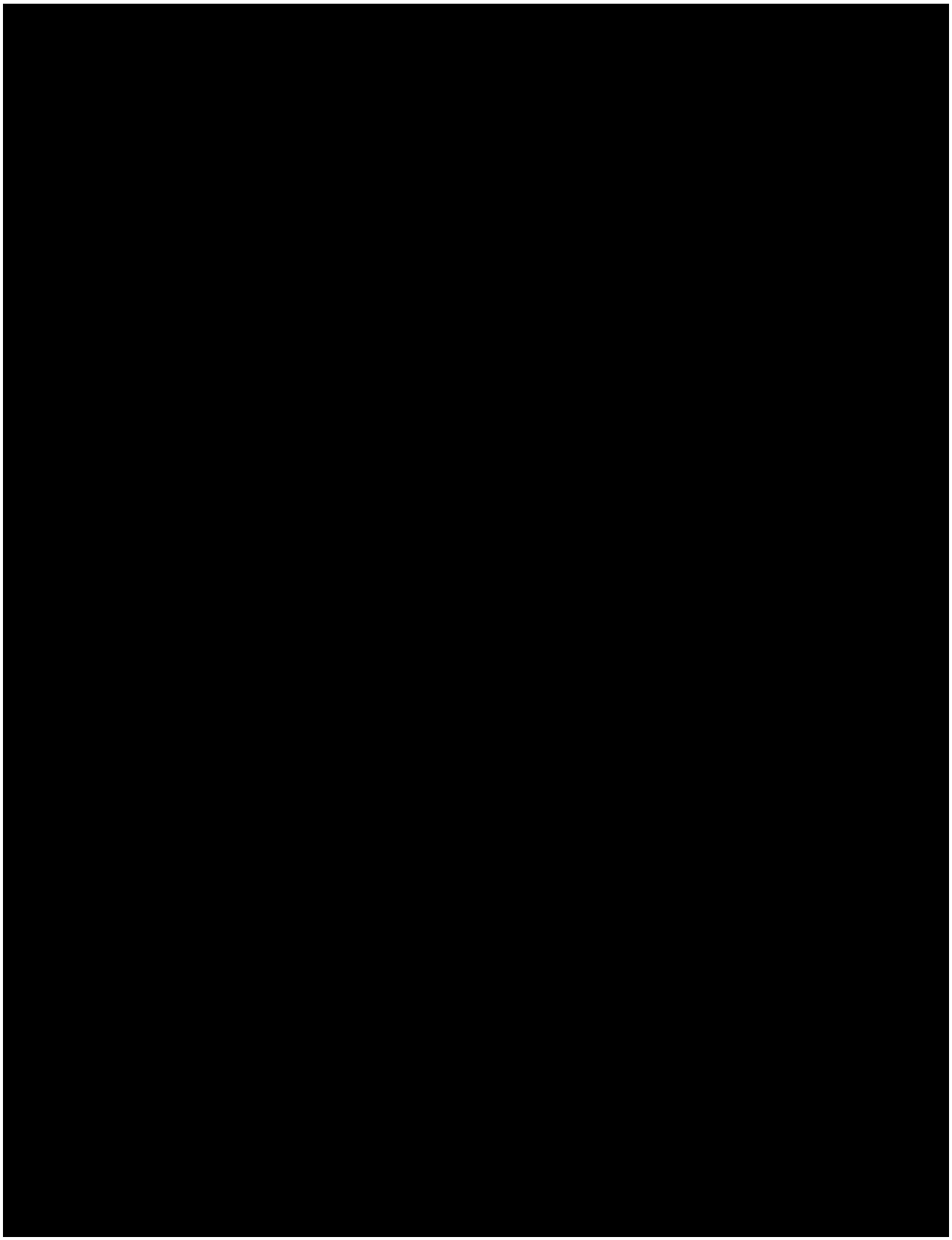
Dominion Response



Hash Verification Sample.xlsx

5. Paste the hash values of the component software (from step 3 above) into column D of the workbook.

[redacted]



Question #4

Provide a roll-out plan for deploying all equipment to all 159 counties through a phased roll-out by the fourth quarter of 2019 for full functionality for the Presidential Preference Primary to be held on March 24, 2020.

The Dominion Implementation Plan is very comprehensive, as it should be, to accomplish the task ahead while mitigating the risks associated with a statewide roll out of a new voting system. As detailed in Dominion's Implementation Plan that was submitted to GASOS in in response to sections 12.1, 12.4, and 12.5 of the RFP, the Plan includes sufficient time to train, test, and deploy the entire system in all 159 counties. The Plan proposes delivery of all equipment by the end of the fourth quarter of 2019. We developed that scope and pace even though the RFP required an "all delivery" as late as March 31, 2020.

Dominion is confirming the commitment to deliver all system components by the end of 2019. The Delivery Schedule to Dominion's Warehouse is itemized below. Dominion intends to occupy the warehouse immediately upon contract signing. The July shipment of products will occur within a couple weeks of contract signing.

- **July 2019**
  - 800 Poll Pads; Pilot County Voting System components per *Attachment O-Potential Equipment Distribution* of the GASOS RFP.
- **August 2019**
  - All EMS software, equipment, and the 3,500 ICP Scanners
- **September 2019**
  - Begin delivery of BMD devices
- **October 2019**
  - 3,600 Poll Pads; large quantities of BMD devices
- **November 2019**
  - 3,600 Poll Pads; large quantities of BMD devices
- **December 2019**
  - Completion of all BMD devices

The master delivery schedule addresses the Pilot County needs first so training content may be tailored to the situation and training classes conducted in August and September. Poll worker training will be conducted in October or perhaps sooner as the Counties adjust to the change-over. Delivery of the Pilot County equipment will be scheduled to correspond to the decommissioning program and readiness of the counties to receive new product.

The delivery schedules for the remaining counties will align with the State's decommissioning plans and schedules following the November Election. By delivering and accepting the EMS software and equipment including central scanning equipment in August, we will then focus on the high-volume Acceptance Testing for the BMD's beginning in October, or late September if the GASOS staff schedules permit.

The plan accelerates in November once the General Election is finalized and the decommissioning program kicks off. The pace will continue right up until the end of the year with the goal to have all counties delivered by the end of December 2019. If for any reason there are schedule delays, we will have sufficient inventory of voting system and poll book products in the warehouse Acceptance Tested to ensure every county has system components from which to train.

Dominion is committed to the plan as described beginning as soon as the State selects Dominion as their preferred vendor and partner.

Below is a Summary of the tasks identified in the overall Implementation Strategy and Plan.

Summary of Comprehensive Implementation Plan

Immediately Following Contract Award:

- Secure a Local Warehouse Facility – to house Products and Product Specialists
- Assign Dominion Project Management Hierarchy and Technical Staff Duties
- Project Initiation and Kick-Off Meeting
- Requirements Gathering, Gap Analysis and Application Configuration
- Security Plan Development for Facility and Deployment of Products
- Establish Media and Outreach Programs
- Prepare space and staff for Receipt of Initial Product Deliveries
- Prepare and gain approval from GASOS for overall training programs and curriculum
- Establish Recruitment and Training of Subcontractors
- Initial Training of GASOS Staff – total system and software
- Establish Help Desk in Dominion Facility

Receipt of Products for Pilot Election: July 2019

- Acceptance Testing of Voting System, Software and Poll Pads by GASOS
- Hash Validation Testing
- Distribution to begin of all voting system products to the respective Pilot counties
- In House Depot Repair as needed

November Pilot Election Training and Support:

- Coding of Election Databases – additional GASOS training
- Training of Pilot County Staff- on site
- Training of Poll Workers – on site
- Training Election Day Rovers - central warehouse
- Logic and Accuracy Testing, Validation – on site
- Election Day (3 day) Support – on site
- Post-Election Auditing and Validation

Monthly Receipt of Products for Presidential Preference Primary Election: August to December 31, 2019:

- Acceptance Testing of Voting System, Software and Poll Pads by GASOS
- Hash Validation Testing

- Prepare the equipment and all auxiliary items for delivery to counties immediately following the November Election
- Establish an agreed to roll out plan combing Phase 2 Part 1 and Part 2
- Distribution of all voting system products to the respective counties
- In House Depot Repair as needed

Presidential Preference Primary Election Training and Support March 24, 2020:

- Coding of Election Databases – additional GASOS training
- Recruitment and Training of Regional Managers
- Training of County Staff- 14 regional sites
- Training of Poll Workers – 14 regional sites
- Training Election Day Rovers – dispatch (80) Centrally and Regionally
- Recruitment and Training of County Support Technicians (159 +1)
- Logic and Accuracy Testing, Validation – on site
- Election Day (3 day) Support – on site
- Post-Election Auditing and Validation

Post-Election Debrief Meeting and Auditing Procedures

Recap Project Management Performance and Issues:

- Issue Management
- Risk Management
- Schedule Management
- Quality Assurance
- Change Control
- Updates and Upgrades

Development of Implementation Scope and Staffing for Remainder of 2020 and 2021

Repeat of above tasks for the remaining 2020 elections including run offs:

- Coding of Election Databases – additional GASOS training
- Re-training of Regional Managers
- Training of County Staff- 14 regional sites
- Training of Poll Workers – 14 regional sites
- Re- training Election Day Rovers – dispatch (80) Centrally and Regionally
- Re- training of County Support Technicians (159 +1)
- Logic and Accuracy Testing, Validation – on site
- Election Day (3 day) Support – on site
- Post-Election Auditing and Validation

Voter Outreach Programs Continue

Post-Election Debrief Meeting

Recap Project Management Performance and Issues:

- Issue Management
- Risk Management
- Schedule Management
- Quality Assurance
- Change Control
- Updates and Upgrades

Establish Dominion's Permanent Georgia Support Staff