Statement Regarding ICS Advisory (ICSA-22-154-01) (Vulnerabilities Affecting Dominion Voting Systems ImageCast X

By Jeffrey Dean O'Donnell Lead Investigator, Mesa County Report #3 June 3rd, 2022

The Cybersecurity and Infrastructure Security Agency (CISA) today released an advisory warning of critical vulnerabilities in the Dominion Voting System's ImageCast X device, which is a voting device with a touchscreen display. It can be deployed as either a ballot marking device (without tabulation capabilities), or as a Direct Recording Electronic Device (DRE). The warning is available for viewing at https://www.cisa.gov/uscert/ics/advisories/icsa-22-154-01.

The warning outlines numerous serious vulnerabilities which include:

"The tested version of ImageCast X has a Terminal Emulator application which could be leveraged by an attacker to gain elevated privileges on a device and/or install malicious code."

The existence of this terminal emulator is as serious a vulnerability as the existence of SQL Server Management Studio on the Election Management Server. It establishes a pattern of behavior that permits unrestricted access to the systems at the most powerful levels.

"The tested version of ImageCast X can be manipulated to cause arbitrary code execution by specially crafted election definition files. An attacker could leverage this vulnerability to spread malicious code to ImageCast X devices from the EMS."

Mesa County Report #3 and subsequent findings have expressed the expert opinion that the unauthorized software operation was triggered due to an algorithm determining that the vote percentages after about 25,000 votes were processed made it impossible for the final percentages to reach a predefined point. The stated vulnerability would permit the configuration or even the code itself to be established at the time the election files were loaded into the system.

These are just two examples of vulnerabilities outlined in the CISA warning – the rest are equally disturbing and can help explain the process by which the Mesa County manipulation occurred.

The warning validates the findings and opinions referenced in my Mesa County Report #3, co-authored by Dr. Walter C. Daugherity, in that it completely supports our claim that the unauthorized ballot manipulation meticulously evidenced in the report was caused by a rogue software process running within the Election Management Server. Mesa County owns and uses many of these Imagecast X systems, and the CISA warning provides a completely plausible explanation for how that rogue software was installed, configured, and executed within the system.

Based upon the validation supplied to my findings in the Mesa County Report #3, I call upon the Mesa County District Attorney to immediately perform a serious investigation into the evidence of Report #3 to determine the full extent of the manipulation in Mesa County and what individuals and organizations participated in that

Use of these voting systems nationwide needs to cease immediately and be replaced with a hand-counted secure paper method of election. Finally, an investigation into how the Dominion Voting Systems ImageCast X device and software was certified must be performed to identify the flaws in the certification process which permitted these and other documented vulnerabilities to pass through certification undetected.