

STATE OF COLORADO
Department of State

1700 Broadway, Suite 270
Denver, CO 80290



Mike Coffman
Secretary of State

Holly Lowder
Director, Elections

Kassie Gram
Hart Intercivic
1650 Coal Creek Drive
Lafayette, CO 80026

July 13, 2007

Re: 2007-CDOS-HAR-001-0404

Mrs. Gram,

Thank you for your response to our request from June 27th. We have been on hold with your application for certification for the past two weeks until this issue, along with the PDI issue, Pixel Data and INI files from June 13th are resolved. All of these items are outstanding and have put our office at risk of meeting the requirements for completing the decision to certify your system within the timeframes described by Colorado Revised Statutes. If we do not complete these items within the next 5 business days (July 20th), the testing board will move beyond these issues and record the appropriate evaluation for non-completion of the trusted build requirements as necessary for each component. I strongly encourage you to not let this happen, and to not continue with delays to our process. The Secretary has placed a significant amount of interest in the security that the trusted build of your voting system will bring to the voting systems in use within the state. Please coordinate with us the completion of all outstanding trusted build items so that we can move on.

You are correct in citing Secretary of State Rule 45.6.2.1.3 for the loading for the testing board of your application. As stated, this requirement is as follows:

45.6.2.1.3 The proprietary software shall be installed on the workstation/server and all applicable voting system components by the testing board following the verification of the trusted build, and using the procedures provided by the voting system provider. After installation, the software and firmware shall be verified to the trusted build hash values.

The intent of this requirement is to address the entirety of your proprietary software with confirmation of hash values. You have provided us merely a list of 25 files which you are claiming to be the only static files of the over 500 program files that were installed by the single executable file that we received from the VSTL. Should this be the case or as you have also indicated that the additional files are COTS program files, the VSTL who completed your software testing should be able to verify these facts, indicate the reason for their existence in your installation files, confirmation that there is no modification to the COTS status given the files, and confirmation that the installation file is the compiled result of the 25 proprietary static files and the 475 COTS files. We require either this additional supporting documentation to move forward from this point, or the complete set of hash values to match your installed application files as requested on the 25th of June.

We have additionally explained our position in our June 25th letter regarding the static/dynamic states of the file, and I will reiterate the point that it is critical for our testing board to establish this baseline from a trusted source such as the VSTL in order to implement a verification of software files in the field. We will verify through testing which specific files are dynamic from the post-installation point, and verify a known expected outcome in the field. Without this baseline, you will be forcing the counties into a "rebuild" or

CIBER HAS NO
documentation of
what version #.
HAR you get us a
letter.

WAITING ON SPOT

"reload" state for their software and firmware components any time a compromise in custody and security of their devices exist. This is an unneeded burden that we are trying to avoid, with your cooperation of this process.

From our discussions with current VSTLs on this subject, if these files were indeed used in the determination of the qualification of your system against the 2002 VSS the provision of MD5 hash values could be completed in a matter of hours.

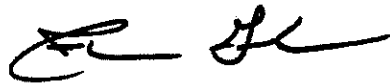
Finally, we have received confirmation that your Pixel Data files and INI files are within compliance with the 2002 VSS; however we did not receive these files and the MD5 hash values from Systest. A request was submitted for this information, as has been our protocol from the beginning of this process, on July 10th.

To move forward with your system components, our office needs the above information as requested. Please provide an estimate as to the date(s) that our testing board would receive the above listed items.

Please contact me directly if you have any additional questions regarding these items. We look forward to moving forward with your application and working with your team to resolve these issues; however time is of the essence and we anticipate a rapid result to these outstanding issues to meet our obligations to complete the decision process with your application.

Sincerely,

→ deny, but waiting for Systest.



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Final Configuration:

- BOSS
- Tally
- Poll
- SUND
- Ballot Box

Tally
Poll
SUND

BOSS
Tally/
Poll/
SUND

Supposed to
Systest.

BASELINE (NO SOFTWARE)

- State Instructions
- BOUND SNAP/SHOT.
- WIRE/MODEM by mode.

1) Do nothing (Reload).

2) Get Letter from USER showing failure of TRUSTED BOUND.

3) Systest by BOUND (HASH)


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c1cca800036f Program Files\Common Files\Crystal Decisions\2.5\bin\p2bact3.dll
b4743f2802c0f Program Files\Common Files\Crystal Decisions\2.5\bin\p2iract3.dll
3e1f39bbb5e9c Program Files\Common Files\Crystal Decisions\2.5\bin\p3da3en.dll
2d48ab6aa6cd Program Files\Common Files\Crystal Decisions\2.5\bin\p3dbeen.dll
745b6f01b79d Program Files\Common Files\Crystal Decisions\2.5\bin\p3ra3en.dll
7705ebb1e548 Program Files\Common Files\Crystal Decisions\2.5\bin\p3ssten.dll
a5064507bac8 Program Files\Common Files\Crystal Decisions\2.5\bin\pageObjectModel.dll
0823dd1a1ca5 Program Files\Common Files\Crystal Decisions\2.5\bin\querybuilder.dll
41bcf81cc7001 Program Files\Common Files\Crystal Decisions\2.5\bin\querybuilder_res_en.dll
f23892c2fc7b6 Program Files\Common Files\Crystal Decisions\2.5\bin\r3exlen.dll
1dfb0f5463555 Program Files\Common Files\Crystal Decisions\2.5\bin\ReportRenderer.dll
ad99f69d5061f Program Files\Common Files\Crystal Decisions\2.5\bin\RptControllers.dll
a953c660a49c Program Files\Common Files\Crystal Decisions\2.5\bin\rptcontrollers_res_en.dll
4f917bece2b9f Program Files\Common Files\Crystal Decisions\2.5\bin\rptdefmodel.dll
389c912f95181 Program Files\Common Files\Crystal Decisions\2.5\bin\rptdefmodel_res_en.dll
b92befaae214f Program Files\Common Files\Crystal Decisions\2.5\bin\sacommoncontrols.dll
f09aefd7495b9 Program Files\Common Files\Crystal Decisions\2.5\bin\saxmlserialize.dll
de7ffd8f8fb167 Program Files\Common Files\Crystal Decisions\2.5\bin\saxmlserialize_res_en.dll
38948ac399ed Program Files\Common Files\Crystal Decisions\2.5\bin\sscsdk80.dll
643f28c4cfb67 Program Files\Common Files\Crystal Decisions\2.5\bin\sviewhlp.dll
2867293b9561 Program Files\Common Files\Crystal Decisions\2.5\bin\swebs.dll
2ad7d3408882 Program Files\Common Files\Crystal Decisions\2.5\bin\u252000.dll
84874463ebd5 Program Files\Common Files\Crystal Decisions\2.5\bin\u25dts.dll
8d160d43b57c Program Files\Common Files\Crystal Decisions\2.5\bin\u25samp1.dll
dad9a3e085dc Program Files\Common Files\Crystal Decisions\2.5\bin\u2dapp.dll
9cd2e3da1921 Program Files\Common Files\Crystal Decisions\2.5\bin\u2ddisk.dll
9ec03e228344 Program Files\Common Files\Crystal Decisions\2.5\bin\u2dmapi.dll
767cac00cb07f Program Files\Common Files\Crystal Decisions\2.5\bin\u2dnotes.dll
98ff96ce1dac8 Program Files\Common Files\Crystal Decisions\2.5\bin\u2dpost.dll
af63b633e76af Program Files\Common Files\Crystal Decisions\2.5\bin\u2dvim.dll
6fc27106a228f Program Files\Common Files\Crystal Decisions\2.5\bin\u2fcompress.dll
719c65a80ecb Program Files\Common Files\Crystal Decisions\2.5\bin\u2fcr.dll
a243e4aeaf41 Program Files\Common Files\Crystal Decisions\2.5\bin\u2fodbc.dll
ea8e64aca882 Program Files\Common Files\Crystal Decisions\2.5\bin\u2frdef.dll
b265297c9196 Program Files\Common Files\Crystal Decisions\2.5\bin\u2frec.dll
8c892cd1da3e Program Files\Common Files\Crystal Decisions\2.5\bin\u2fsepv.dll
6472ad6beb0e Program Files\Common Files\Crystal Decisions\2.5\bin\u2ftext.dll
e810479820ec Program Files\Common Files\Crystal Decisions\2.5\bin\u2fxml.dll
7ab0187d1a45 Program Files\Common Files\Crystal Decisions\2.5\bin\u2l2000.dll
e41c2819daa6 Program Files\Common Files\Crystal Decisions\2.5\bin\u2lcom.dll
8d864478b3b2 Program Files\Common Files\Crystal Decisions\2.5\bin\u2ldts.dll
c43549310361 Program Files\Common Files\Crystal Decisions\2.5\bin\u2lexch.dll
1ace73a2a50e Program Files\Common Files\Crystal Decisions\2.5\bin\u2lfinra.dll
8f53d9824f638 Program Files\Common Files\Crystal Decisions\2.5\bin\u3520en.dll
de8d1260f9bf7 Program Files\Common Files\Crystal Decisions\2.5\bin\u35dten.dll
a2904ce2aa51 Program Files\Common Files\Crystal Decisions\2.5\bin\u35s1en.dll
e8a5c0ca5cb2 Program Files\Common Files\Crystal Decisions\2.5\bin\u3l20en.dll
cde07ea2d549 Program Files\Common Files\Crystal Decisions\2.5\bin\u3ldten.dll
22ec2694fbeb Program Files\Common Files\Crystal Decisions\2.5\bin\u3lfren.dll
cd5192ad7243 Program Files\Common Files\Crystal Decisions\2.5\bin\u3lxcen.dll
29cb100a017a Program Files\Common Files\Crystal Decisions\2.5\bin\uufmanager.dll
8023a338a8f0f Program Files\Common Files\Crystal Decisions\2.5\bin\UndoManager.dll
61441dcf7f98fe Program Files\Common Files\Crystal Decisions\2.5\bin\webReporting.dll
9e4b87aa5339 Program Files\Common Files\Crystal Decisions\2.5\bin\x3dapen.dll
c8224d7d8274 Program Files\Common Files\Crystal Decisions\2.5\bin\x3ddken.dll
96c152758956 Program Files\Common Files\Crystal Decisions\2.5\bin\x3dmpen.dll
5545aa0b9c4e Program Files\Common Files\Crystal Decisions\2.5\bin\x3dnten.dll
0c87ec0d0f4c2 Program Files\Common Files\Crystal Decisions\2.5\bin\x3dpten.dll
deb5afdb879cc Program Files\Common Files\Crystal Decisions\2.5\bin\x3dvmen.dll
611a54af4e4f0 Program Files\Common Files\Crystal Decisions\2.5\bin\x3fcpen.dll
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[illegible][illegible]

2d769616fd07c WINNT\PIXTRAN\RAS2ZIP.PXN
00ba1a034552 WINNT\PIXTRAN\RAS42JBG.PXN
64658c8a32ff2 WINNT\PIXTRAN\RAS82JBG.PXN
8d8a6b143e7f WINNT\PIXTRAN\RUN2G3.PXN
bf47b0dbd8d1 WINNT\PIXTRAN\RUN2G3M.PXN
a43168c810e8 WINNT\PIXTRAN\RUN2G4.PXN
db78f7360893 WINNT\PIXTRAN\RUN2JBG.PXN
c5bee08aeebe WINNT\PIXTRAN\RUN2RAS.PXN
6f514dc3392a WINNT\PIXTRAN\TO24.PXN
77a843183fb1 WINNT\PIXTRAN\TOGRAY.PXN
8565f48eec6f6 WINNT\PIXTRAN\TOPAL.PXN
9f885e995db1 WINNT\PIXTRAN\ZIP2RAS.PXN
44f8c60861aa WINNT\system32\PIXANNOT.DLL
652c715d3fadb WINNT\system32\PIXAPS.DLL
36f6ecf466d5c WINNT\system32\PIXAPSU.DLL
52857a567e00 WINNT\system32\PIXDFLTN.DLL
f0d6017d14ea WINNT\system32\PIXDLGN.DLL
814b72f456ab WINNT\system32\PIXJBGN.DLL
8e2b268a6f90c WINNT\system32\PIXJP2K.DLL
931b78f9521c WINNT\system32\PIXJP2KI.DLL
1d30efcc7d7dt WINNT\system32\PIXLOCN.DLL
c2bd3ecc7f54c WINNT\system32\PIXMDLCN.CPL
b38a03255ada WINNT\system32\PIXMDLGN.DLL
da62d3a17307 WINNT\system32\PIXMDLN.DLL
2812f5a3048b WINNT\system32\PIXMPN.DLL
07a6e43fead8c WINNT\system32\PIXN1120.DLL
640c1a3b52a3 WINNT\system32\PIXN1320.DLL
6be1f062d756 WINNT\system32\PIXN20.DLL
3694abd0297e WINNT\system32\PIXNAME.HLP
214d0ac20a7c WINNT\system32\PIXNAMEN.DLL
02110d9454ae WINNT\system32\PIXNOTEN.DLL
4524129b93cc WINNT\system32\PIXPANN.DLL
dcfebd559fa58 WINNT\system32\PIXPERMN.DLL
e566c326be95 WINNT\system32\PIXRAMN.DLL
4252acbdedc2 WINNT\system32\PIXSLN.DLL
ae1e7148fcd9f WINNT\system32\PIXTIFFN.DLL

babf4a18746d WINNT\system32\QD1.DLL

