

**DOMINION
VOTING™**



Our customers come first.

**CALIFORNIA
DEMOCRACY SUITE VERSION
5.2
LOG FILE DESCRIPTIONS**

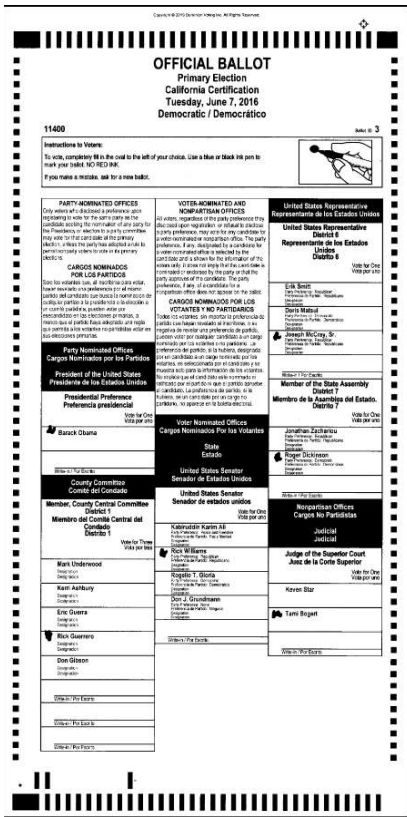
V 1.1

Ballot Images

Ballot images are extracted as multi-page tagged image file format (.tiff) files. These images are uncompressed and contained detailed data about each image. Images are created at the moment each ballot card is tabulated by any central count or polling place scanner. The actual scanned images are not edited in any manner by the system, and are retained in their original state.

Ballot Card

Front of Card

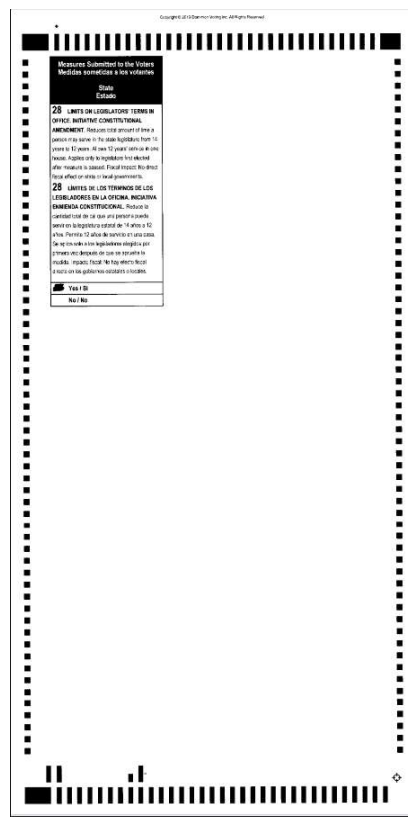


Front of Card details

The scanned image of the front of each card will display the ballot card exactly as it was scanned by either the central count or polling place tabulators.

No modifications are made by the system to the markings made by the voter.

Back of Card

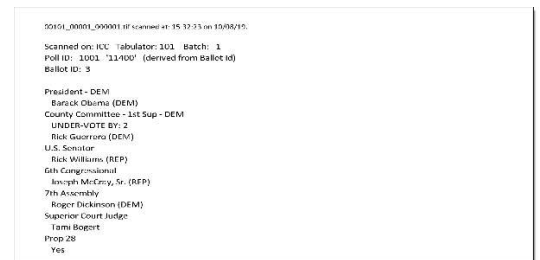


Back of Card details

The scanned image of the front of each card will display the ballot card exactly as it was scanned by either the central count or polling place tabulators.

No modifications are made by the system to the markings made by the voter.

Audit Mark



AuditMark details

The Audit Mark will display the information about the tabulator that scanned the ballot and how the ballot is being tabulated by the system – in human readable (plain text) format.

Additional Details about the AuditMark are provided in the next section.

AuditMark

Each ballot is appended with an AuditMark. This audit mark shows exactly how the ballot was interpreted by the tabulator that tabulated/scanned the ballot. The AuditMark will be updated with any actions taken by adjudicators during digital ballot resolution.

Auditmark from a polling place ballot scanner (Ballot Scanning Maching/BSM)

```
SCANNED ON: ICE, TABULATOR: 201
POLL ID: 1001, BALLOT ID: 1

Contest: U.S. Senator
Choice: Kabiruddin Karim Ali (PF); Mark;

Contest: 6th Congressional
Choice: Erik Smitt (REP); Mark;

Contest: 7th Assembly
Choice: Jonathan Zachariou (REP); Mark;

Contest: Superior Court Judge
Choice: Keven Star; Mark;

Contest: Prop 28
Choice: Yes; Mark;
```

- Tabulator Type and Number the ballot was scanned with
- The ballot's Poll ID (Precinct)
- The Ballot ID (ballot type)
- Each Contest name and the choice selected by the voter

Auditmark from a central count scanner

```
00101_00001_000002.tif scanned at: 15:32:24 on 10/08/19.

Scanned on: ICC Tabulator: 101 Batch: 1
Poll ID: 1001 '11400' (derived from Ballot Id)
Ballot ID: 1

U.S. Senator
Rick Williams (REP)
6th Congressional
Joseph McCray, Sr. (REP)
7th Assembly
Roger Dickinson (DEM)
Superior Court Judge
Tami Bogert
Prop 28
Yes
```

- Filename, Time and Date scanned
- Tabulator Type, Number, and batch the ballot was scanned into
- The ballot's Poll ID (Precinct)
- The Ballot ID (ballot type)
- Each Contest name and the choice selected by the voter

Updated Auditmark reflecting adjudication actions

```
SCANNED ON: ICE, TABULATOR: 201
POLL ID: 1001, BALLOT ID: 5

Contest: President - DEM
Choice: Write-in (write-in line 1); Mark;

Contest: U.S. Senator
Choice: Kabiruddin Karim Ali (PF); Mark;

Contest: 6th Congressional
Choice: Joseph McCray, Sr. (REP); Mark;

Contest: 7th Assembly
Choice: Roger Dickinson (DEM); Mark;

Contest: Superior Court Judge
Choice: Keven Star; Mark;

Contest: Prop 28
Choice: No; Mark;

Adjudicated at 9:14 AM on 10/10/2019 by emsadmin

President - DEM
*Adjudicated* Write-In Rejected: Not Qualified/Declared
U.S. Senator
Kabiruddin Karim Ali (94%)
6th Congressional
Joseph McCray, Sr. (99%)
7th Assembly
Roger Dickinson (100%)
Superior Court Judge
Keven Star (95%)
Prop 28
No (97%)
```

- Original Auditmark and its contents
- Time and date adjudicated, Windows username of the Adjudication user
- Each contest name and the choice selected by the voter
- For any contests on which Adjudication Users made changes:
 - *Adjudicated* text followed by a description of the change made by the Adjudication user, including:
 - Write-in accepted
 - Write-in rejected
 - Vote added
 - Vote removed

The Adjudication Audit Mark contains a percentage after each choice. This represents the percentage of black pixels detected within the target area.

Adjudication Activity Log Report

The Adjudication Activity Log report shows the adjudication actions taken for each ballot. The report is grouped by tabulator and batch. Each action will display the name of the user who completed the action along with the date and time of the action.

The actions logged in this report are:

- Write-in accepted
- Write-in rejected
- Vote added
- Vote removed

Ballots originally scanned by central count tabulators

CA Cert PRIMARY		
Tabulator 101	Batch 3	Ballot 11
	Write-in	Rejected: Not Qualified/Declared emsadmin
<hr/>		
Tabulator 101	Batch 5	Summary
10/10/2019 09:57:26		
		12 ballots didn't meet outstack conditions.
<hr/>		
Tabulator 101	Batch 8	Summary
10/10/2019 09:57:27		
		10 ballots didn't meet outstack conditions.
<hr/>		
Tabulator 101	Batch 9	Summary
10/10/2019 09:57:45		
		22 ballots didn't meet outstack conditions.
<hr/>		
Tabulator 101	Batch 9	Ballot 21
10/10/2019 09:57:44		
	County Committee - 3rd Sup - PF	
	Write-in	Rejected: Not Qualified/Declared emsadmin

The report output will include:

- Tabulator Number, Batch, Summary
- Total number of ballots with no outstack condition(s)
- Tabulator Number, Batch, Ballot Number
- Contest Name
 - Choice Name, Action Taken, User

Ballot originally scanned by BSM tabulators

CA Cert PRIMARY :			
Tabulator 201	Batch 0	Summary	
<hr/>			
10/10/2019 09:22:05			
		26 ballots didn't meet outstack conditions.	
Tabulator 201	Batch 0	Ballot 373780	
<hr/>			
10/10/2019 09:14:13			
President - REP			
	Write-in	Rejected: Not Qualified/Declared	emsadmin
U.S. Senator:			
	Write-in	Rejected: Not Qualified/Declared	emsadmin
6th Congressional			
	Write-in	Rejected: Not Qualified/Declared	emsadmin
7th Assembly			
	Write-in	Rejected: Not Qualified/Declared	emsadmin
Superior Court Judge			
	Write-in	Rejected: Not Qualified/Declared	emsadmin
Tabulator 201	Batch 0	Ballot 601119	
<hr/>			
10/10/2019 09:14:29			
President - DEM			

The report output will include:

- Tabulator Number, **Batch 0***, Summary
- Total number of ballots with no outstack condition(s)
- Tabulator Number, **Batch 0***, **Ballot Number****
- Contest Name
 - Choice Name, Action Taken, User

*Batch Numbers for polling place tabulators will always be '0'

**Ballot Numbers for ballots scanned with polling place tabulators will be random sequence numbers

ImageCast Central Audit Log

Every action, event, and operation that occurs is permanently logged to the ImageCast Central's audit file. Each audit entry contains a time and date stamp. The below table reflects the most frequently logged actions:

Startup

```
Oct 08/2019 14:55:41: Beginning Initialization ----->
Oct 08/2019 14:55:41: > Building decompression tables
Oct 08/2019 14:57:29: Security Audit Administrator key for 'Admin'
detected.
Oct 08/2019 14:57:54: > Loading Configuration.
Oct 08/2019 14:57:54: > Loading Election Project files.
Oct 08/2019 14:57:54: > Loading Precinct Info.
Oct 08/2019 14:57:54: > Appending to Signed Log File.
Oct 08/2019 14:57:54: > Checking Previous Batches.
Oct 08/2019 14:57:55: > Initializing Scanner.
Oct 08/2019 14:57:58: Election 80 Ballots known. Maximum length
=17.0 in.
Oct 08/2019 14:57:58: Election 1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16
Oct 08/2019 14:57:58: Election 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31 32
Oct 08/2019 14:57:58: Election 33 34 35 36 37 38 39
40 41 42 43 44 45 46 47 48
Oct 08/2019 14:57:58: Election 49 50 51 52 53 54 55
56 57 58 59 60 61 62 63 64
Oct 08/2019 14:57:58: Election 65 66 67 68 69 70 71
72 73 74 75 76 77 78 79 80
Oct 08/2019 14:58:07: > Validating Scanner Settings.
Oct 08/2019 14:58:07: > Initializing Results Structure.
Oct 08/2019 14:58:07: Completed Initialization. <----->

Oct 08/2019 14:58:07:
Oct 08/2019 14:58:07: | Imagecast Central Version:
Oct 08/2019 14:58:07: | Built: May 20 2019 at 10:23:31
Oct 08/2019 14:58:07: | Scanner: Virtual: Single Output Bin
Oct 08/2019 14:58:07: | EMS File Version: 0x307
Oct 08/2019 14:58:07: |
Oct 08/2019 14:58:07: | Election Name: CA Cert PRIMARY
Oct 08/2019 14:58:07: | Election Date: Tuesday, June 7, 2016
Oct 08/2019 14:58:07: | Election Location: County of Any
Oct 08/2019 14:58:07: | Voting Location: Election Headquarters
Oct 08/2019 14:58:07: | Location Id: 301
Oct 08/2019 14:58:07: | Tabulator Name: ICC Vote by Mail 1
Oct 08/2019 14:58:07: |
Oct 08/2019 14:58:07: | Primary Path: C:\DVS\ICCbyMail001\
Oct 08/2019 14:58:07: | Secondary Path: <none>
Oct 08/2019 14:58:07: |
```

Upon starting the ICC application, the system will log that the application was initialized, the Administrator key was applied, and election files are loaded, along with information about the election loaded.

Election File integrity

```
Oct 08/2019 14:59:11: Security Audit Entering Supervisor security level.
Oct 08/2019 14:59:55: Specifying Secondary Path to be \\Emsserver\nas\CA Cert
```

If configuration changes are made, these are logged. In the example above, the server path is set for the selected central count scanner.

Scanning of a batch begins

```
Oct 08/2019 16:20:33: BATCH 7 Scanning (auto-detect) started ----->
Oct 08/2019 16:20:39: Ballot 1:      Id=32 Cast.
Oct 08/2019 16:20:40: Ballot 2:      Id=32 Cast.
Oct 08/2019 16:20:41: Ballot 3:      Id=32 Cast.
Oct 08/2019 16:20:41: Ballot 4:      Id=30 Cast.
Oct 08/2019 16:20:42: Ballot 5:      Id=30 Cast.
Oct 08/2019 16:20:43: Ballot 6:      Id=28 Cast.
Oct 08/2019 16:20:44: Ballot 7:      Id=28 Cast.
Oct 08/2019 16:20:45: Ballot 8:      Id=26 Cast.
Oct 08/2019 16:20:45: Ballot 9:      Id=26 Cast.
Oct 08/2019 16:20:46: Ballot 10:     Id=26 Cast.
Oct 08/2019 16:20:47: Ballot 11:     Id=24 Cast.
Oct 08/2019 16:20:48: Ballot 12:     Id=24 Cast.
```

The system will log when scanning of a batch has started and when each ballot within that batch is cast

Batch accepted

```
Oct 08/2019 16:24:54: BATCH 8 Scanning (auto-detect) started ----->
Oct 08/2019 16:25:00: Ballot 2:      Id=50 Cast.
Oct 08/2019 16:25:01: Ballot 3:      Id=62 Cast.
Oct 08/2019 16:25:02: Ballot 4:      Id=50 Cast.
Oct 08/2019 16:25:02: Ballot 5:      Id=46 Cast.
Oct 08/2019 16:25:03: Ballot 6:      Id=46 Cast.
Oct 08/2019 16:25:04: Ballot 7:      Id=46 Cast.
Oct 08/2019 16:25:05: Ballot 8:      Id=42 Cast.
Oct 08/2019 16:25:05: Ballot 9:      Id=42 Cast.
Oct 08/2019 16:25:06: Ballot 10:     Id=42 Cast.
Oct 08/2019 16:25:06: BATCH 8 Scanning ended (90 ppm) <-----
Oct 08/2019 16:25:16: Accepted batch 8 of 10 ballots.
Oct 08/2019 16:25:16: BATCH 8 Accepting 10 ballots.
Oct 08/2019 16:25:17: Uploaded batch 8 to Secondary Path \\Emsserver\nas\CA Cert PRIMARY 5 10 Version F\Results
\Tabulator00101\.
```

The system will log when each batch is accepted and the total number of ballots accepted.

Ballots are misread

```
Oct 08/2019 16:27:28: BATCH 9 Scanning (auto-detect) started ----->
Oct 08/2019 16:27:34: ScanVote Warning + error, crop top image (bottom edge) average=49 length=15 height=3390
Oct 08/2019 16:27:34: ScanVote Warning + error, Front page grid problem
Oct 08/2019 16:27:34: Ballot 6: Id=44- Problem Ballot - saved as C:\DVS\ICbyMail001\Project\NotCastImages\NotCast_009_005_001.tif.
Oct 08/2019 16:27:36: Ballot 7: Skipped.
Oct 08/2019 16:27:36: Ballot 8: Skipped.
Oct 08/2019 16:27:37: Ballot 9: Skipped.
Oct 08/2019 16:27:38: Stopped on ballot 6 of batch (1 of scan). Ballot misread.
```

The system will log each time it is unable to 'read' a ballot. The system will save a copy of the scanned ballot. The log will indicate the location of the saved copy.

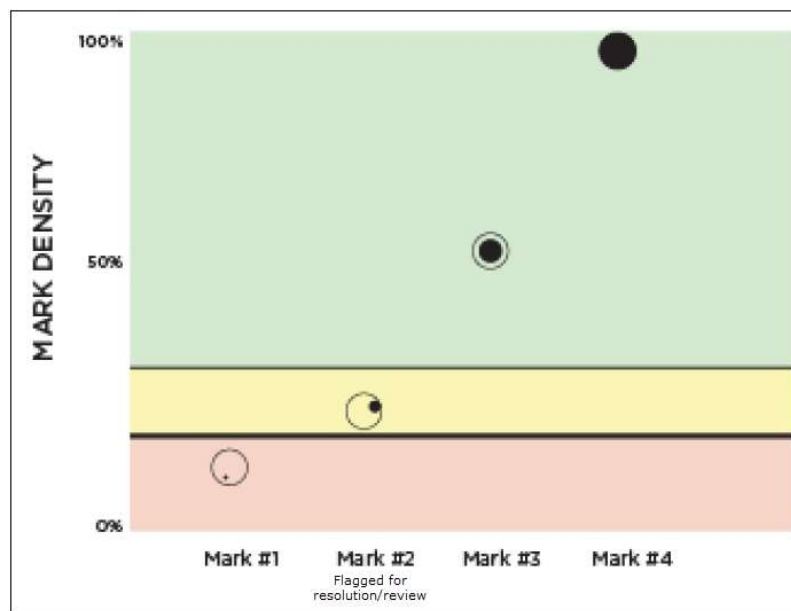
Ballots with marginal marks are detected

```
Oct 10/2019 11:25:28: BATCH 10 Scanning (auto-detect) started ----->
Oct 10/2019 11:25:35: ScanVote Warning + [President - AIP] choice [Mad Max Riekse] (11%) AMBIGUOUS
Oct 10/2019 11:25:35: ScanVote Warning + [U.S. Senator] choice [Rick Williams] (8%) AMBIGUOUS
Oct 10/2019 11:25:35: ScanVote Warning + [6th Congressional] choice [Doris Matsui] (10%) AMBIGUOUS
Oct 10/2019 11:25:35: ScanVote Warning + [7th Assembly] choice [Roger Dickinson] (12%) AMBIGUOUS
Oct 10/2019 11:25:35: ScanVote Warning + [Superior Court Judge] choice [Tami Bogert] (9%) AMBIGUOUS
Oct 10/2019 11:25:35: ScanVote Warning + [Prop 28] choice [No] (12%) AMBIGUOUS
Oct 10/2019 11:25:35: Ballot 1: Id=10 Cast.
```

The log will indicate when ballots with marginal marks* are detected, and for each contest and choice, the percentage of fill detected by the tabulator.

Understanding Marginal Marks

In the Democracy Suite system marginal, or ambiguous, marks are defined as marks made by a voter within a pre-defined threshold. The lower end of the threshold indicates that the mark is too faint to be considered an actual mark/vote on the ballot. The upper end of the threshold indicates that the mark made by the voter is definitively a mark or a vote. Any marks made between the defined thresholds are flagged for review during the ballot resolution process that is completed using the Adjudication application.



Ballot Scanning Machine Audit Log

Every action, event, and operation that occurs is permanently logged to the Ballot Scanning Machine's audit log. Each audit entry contains a time and date stamp. The below table reflects the most frequently logged actions:

Startup

```
09 Oct 2019 15:26:47 [Main thread] INFO : [Init] Logging service initialized, starting GApplication v 5.10.9.3
09 Oct 2019 15:26:47 [Main thread] INFO : [CF Monitor] Mounted System card data partition, device node -
/dev/sda2 to /mnt/cf0/ as ext2 file system
09 Oct 2019 15:26:47 [Main thread] INFO : [CF Monitor] Mounted Primary card, device node - /dev/sdb1 to
/mnt/cf1/ as vfat file system
09 Oct 2019 15:26:47 [Main thread] INFO : [CF Monitor] Mounted Backup card, device node - /dev/sdc1 to
/mnt/cf2/ as vfat file system
09 Oct 2019 15:26:48 [Main thread] INFO : [Init] "ThermalPrinterController Implementation" activated
09 Oct 2019 15:26:49 [Main thread] INFO : [Init] "AutomatedTests" activated
09 Oct 2019 15:26:49 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeMono.ttf"
09 Oct 2019 15:26:49 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeMonoBold.ttf"
09 Oct 2019 15:26:49 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeMonoBoldOblique.ttf"
09 Oct 2019 15:26:49 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeMonoOblique.ttf"
09 Oct 2019 15:26:50 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSans.ttf"
09 Oct 2019 15:26:50 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSansBold.ttf"
09 Oct 2019 15:26:51 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSansBoldOblique.ttf"
09 Oct 2019 15:26:51 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSansOblique.ttf"
09 Oct 2019 15:26:52 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSerif.ttf"
09 Oct 2019 15:26:52 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSerifBold.ttf"
09 Oct 2019 15:26:53 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSerifBoldItalic.ttf"
09 Oct 2019 15:26:53 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/FreeSerifItalic.ttf"
09 Oct 2019 15:26:53 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/miranda.ttf"
09 Oct 2019 15:26:53 [Main thread] INFO : Loading font "/opt/Qt/lib/fonts/panagioti.ttf"
09 Oct 2019 15:26:53 [Main thread] INFO : Loading font "/mnt/cf0/data/Fonts/HanaMinA.ttf"
09 Oct 2019 15:26:54 [Main thread] INFO : Loading font "/mnt/cf0/data/Fonts/HanaMinB.ttf"
09 Oct 2019 15:26:54 [Main thread] INFO : Loading font "/mnt/cf0/data/Fonts/KhmerOS.ttf"
09 Oct 2019 15:26:54 [Main thread] INFO : Loading font "/mnt/cf0/data/Fonts/Lohit-Telugu.ttf"
```

Upon starting the BSM tabulator, the tabulator will log each of the prerequisite files needed for functioning, including: fonts, audio, language files, and detect the loaded CF cards.

Election File integrity

```
09 Oct 2019 15:27:51 [Main thread] INFO : [Init] "Root File System SHA value:
69288573497a06da14c51f6fc652772b393c7f160bd301ff14ecc1942f89d98"
09 Oct 2019 15:27:51 [Main thread] INFO : [Init] "Root File System New SHA value:
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%"
09 Oct 2019 15:27:51 [Main thread] INFO : [Init] "Election Application SHA value:
e459d8c1ec89e24a480b32cd0f8cd7c78a52678a4ed2efd0b354f6f27e83e97"
09 Oct 2019 15:27:51 [Main thread] INFO : [Init] "Election Application New SHA value:
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%"
```

Once the prerequisite files are loaded, the system will check the integrity of the security key for the election present on the Compact Flash cards.

Machine behavior settings

```
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Loading machine configuration to runtime settings
started
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Loading conditional points from alternative selectors
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{00CE40ED-430E-47DD-8EAB-
AF035A255035}" Conditional Point Info: "Cancel a remote AV session" Conditional Point Element Id:
"{ABE8CCA6-D499-4021-9F23-7BD61954DCF9}" Conditional Point Element Info: "No password on command
execution"
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{021283B6-8E1A-49C2-B272-
27F561E5F17B}" Conditional Point Info: "Unspecified" Conditional Point Element Id: "{E6A48AF9-A062-4A0D-
8457-9483176B1485}" Conditional Point Element Info: "Disable"
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{02C70E1E-98EA-4805-9982-
B2B53367F16E}" Conditional Point Info: "Mark a ballot according to selections received from a remote AV
session" Conditional Point Element Id: "{ABE8CCA6-D499-4021-9F23-7BD61954DCF9}" Conditional Point
Element Info: "No password on command execution"
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{02EB0585-FAD3-48AB-859E-
6ABABFFF9D7B}" Conditional Point Info: "Verification Station Mode of Operation" Conditional Point Element
Id: "{5361FE8A-CCC2-47AD-AF73-AC6A592CAAD3}" Conditional Point Element Info: "Verify and Cast"
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{0372AFC7-E459-4448-9EC6-
6285CB40BD47}" Conditional Point Info: "Authorized security token detected" Conditional Point Element Id:
"{0C463BC3-F233-4697-99F0-26767C536F87}" Conditional Point Element Info: "Verify authorized token"
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{0372D556-EC1F-42E0-A80E-
82A510A68EF7}" Conditional Point Info: "Polish" Conditional Point Element Id: "{E6A48AF9-A062-4A0D-8457-
9483176B1485}" Conditional Point Element Info: "Disable"
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{05761A17-191B-4976-A45F-
C5E4A786F1CD}" Conditional Point Info: "Show combinations for RCV contests on the Reports for QA
purpose" Conditional Point Element Id: "{4EA2F790-6CA7-4FFF-A896-4DEEE6A16AD0}" Conditional Point
Element Info: "Hide on the Reports"
09 Oct 2019 15:33:47 [File Verifier] INFO : [Verification] Conditional Point Id: "{05EDFDA7-7AC9-462C-93FE-
F23566AD3CF7}" Conditional Point Info: "Khmer" Conditional Point Element Id: "{E6A48AF9-A062-4A0D-8457-
9483176B1485}" Conditional Point Element Info: "Disable"
```

The system will then load and log each of the machine behavior settings, including: warnings that should be presented to voters for ballot exceptions, settings for starting accessible sessions, and functions available for pollworkers.

Ballot scanned/tabulated

```
09 Oct 2019 15:52:51 [CentralManager] INFO : [Voting] A ballot has been inserted into the unit.
09 Oct 2019 15:52:52 [ScannerThread] WARN : [Scanner] CIS might be dirty. Haze counters: top= 26 ,
bottom= 0
09 Oct 2019 15:52:52 [ImageProcessing] INFO : [Pixel Count] Cropping started.
09 Oct 2019 15:52:52 [ImageProcessing] INFO : [Pixel Count] Cropping finished.
09 Oct 2019 15:52:52 [ImageProcessing] INFO : [Pixel Count] Start Marker detected.
09 Oct 2019 15:52:52 [ImageProcessing] INFO : [Pixel Count] Side Marker detected.
09 Oct 2019 15:52:52 [ImageProcessing] INFO : [Pixel Count] End Marker detected.
09 Oct 2019 15:52:52 [ImageProcessing] INFO : [Pixel Count] Determining ballot ID started.
09 Oct 2019 15:52:52 [ImageProcessing] INFO : [Pixel Count] Ballot ID successfully determined
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Write-in has voting box
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Votes determined successfully, top side (ballot
front page)
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Processing bottom side starts.
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Start Marker detected.
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Side Marker detected.
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] End Marker detected.
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Write-in has voting box
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Votes determined successfully, bottom side
(ballot back page)
09 Oct 2019 15:52:53 [ImageProcessing] INFO : [Pixel Count] Ballot scanned successfully.
09 Oct 2019 15:52:53 [VotingRules] INFO : [Voting Rules] Applying voting rules started
09 Oct 2019 15:52:53 [VotingRules] INFO : [Voting Rules] Applying voting rules finished
09 Oct 2019 15:52:57 [CentralManager] INFO : [Voting] Invoking ballot review for the current ballot.
09 Oct 2019 15:53:02 [CentralManager] INFO : [Voting] The user decided to cast the ballot.
09 Oct 2019 15:53:02 [Results] INFO : [File Access] Writing to file: "/mnt/cf1/machinecontext_1_201.xml"
09 Oct 2019 15:53:02 [Results] INFO : [File Access] Writing to file: "/mnt/cf2/machinecontext_1_201.xml"
09 Oct 2019 15:53:02 [Results] INFO : [Results] Ballot saved successfully
09 Oct 2019 15:53:03 [ScannerThread] INFO : [Scanner] Ballot cast
09 Oct 2019 15:53:03 [CentralManager] INFO : [Voting] Ballot successfully cast and dropped into ballot box
09 Oct 2019 15:53:03 [CentralManager] INFO : [Voting] The end of the current session. The system is ready to
accept a new ballot.
```

The system will log when each ballot is accepted.

Machine warnings

```
09 Oct 2019 15:58:42 [CentralManager] INFO : [Voting] A ballot has been inserted into the unit.
09 Oct 2019 15:58:43 [ScannerThread] WARN : [Scanner] CIS might be dirty. Haze counters: top= 130 ,
bottom= 0
```

The system will log any errors indicating the tabulator may need maintenance. In the example above, the log is indicating that the CIS (contact image sensors) may be dirty.

Polls Closed

```
09 Oct 2019 16:37:42 [Main thread] INFO : [Login] The administrator has accepted the error condition
09 Oct 2019 16:37:45 [Main thread] INFO : [Menu] The action menu selected: "Close Poll"
09 Oct 2019 16:37:48 [Main thread] INFO : [Menu] The option selected: "Change" on the menu component
using the "SettingsAlteration" strategy
09 Oct 2019 16:37:48 [Main thread] INFO : [Machine Settings] The selected alternative for the alternative
selector "Results Tape Alternative Selector" is: "Don't Print"
09 Oct 2019 16:37:49 [Main thread] INFO : [Menu] The option selected: "Close" on the menu component
using the "CommandExecution" strategy
09 Oct 2019 16:37:54 [Main thread] INFO : [Dialog] A user has accepted a command execution.
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of tabulated files: 8
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of raw files: 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of images: 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of write-in images: 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Total number of voters (regular and provisional): 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of voters: 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Total number of ballots (regular and provisional): 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of ballots cast: 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of ballot ids (cards) cast: 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of regular ballots cast: 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of electronic ballots cast: 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of diverted ballots: 4
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of ballots with valid write-in cast: 4
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of ballots with write-in cast (can contain ballots
with write-ins in overvoted contests): 4
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of misread ballots cast: 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of invalid ballots cast: 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of fraud ballots cast: 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of misread ballots (cast and return): 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of invalid ballots (cast and return): 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of fraud ballots (cast and return): 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Total number of valid write-ins cast (regular and
provisional): 10
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of valid write-ins cast: 10
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of ballots scanned: 30
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of ballots processed through AVS: 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of AV sessions: 0
09 Oct 2019 16:37:55 [Main thread] INFO : [Counters] Number of jammed ballots: 0
```

The log will indicate when the Pollworker selects the **Close Poll** option, and ultimately closes the poll. The number of tabulated ballots, voters, write-ins, jammed ballots, and other information about the ballots tabulated is presented in the log.