



**Date of Report:** February 26, 2021

**Issued To:** WEBSITE COPY  
This report was sent to the State of North Dakota Gaming Division

**Issued By:** Gaming Laboratories World Headquarters  
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**Certification of:** Grover Gaming North Dakota Electronic Pull-Tab System v2.0.0, Main Program, Personality Programs and Associated Software

**GLI File Number:** SY-28-GRO-21-01

**Standards Tested Against and the Test Results:**

Standards Tested Against	Test Results
Article 99-01.3 of the North Dakota Administrative Code effective July 1, 2018 - Games of Chance	Pass

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Registration Number of Accreditation applicable to this report:	A2LA 2428.05
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**Product Certification Summary:**

Product ID
\Program Files\PullTabs\PullTab.dll
\Program Files\PullTabs\Games\PhantomFair\PhantomFair_Data\Managed\Assembly-CSharp.dll
/site/wwwroot/bin/Reporting.dll
\Etickets-StoreServer\Programmability\Stored Procedures\CanPlay
\Etickets-StoreServer\Programmability\Stored Procedures\GetNextTicket
\Etickets-StoreServer\Programmability\Stored Procedures\RedeemVoucher
\Program Files\POS\pulltabs\PullTab.dll
\Program Files\POS\pulltabs\PullTabPOS.exe
\Program Files\PullTabs\FrontEnd\FateSystemExtensions.dll
\Program Files\PullTabs\FrontEnd\PullTab.dll
\Program Files\PullTabs\FrontEnd\PullTabFrontEnd.exe
\Program Files\PullTabs\PullTab.StoreServer.exe
\Program Files\PullTabs\StoreGamesetGenerator\GamesetGenerator.exe
\Program Files\PullTabs\StoreGamesetGenerator\PullTab.dll
\Program Files\PullTabs-StateServer\FateSystem.Security.dll
\Program Files\PullTabs-StateServer\GamesetGenerator\GamesetGenerator.exe
\Program Files\PullTabs-StateServer\GamesetGenerator\PullTab.dll
\Program Files\PullTabs-StateServer\PullTab.dll
\Program Files\PullTabs-StateServer\PullTab.StateServer.exe



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## SYSTEM

### **System Software Descriptions:**

#### Grover Gaming North Dakota Electronic Pull-Tab System

The Grover Gaming North Dakota Electronic Pull-Tab System consists of a state server, site servers, point-of-sale interface, and a reporting server. The state server creates game sets, assigns state gaming stamps, and distributes them to the site servers when requested. The site server is responsible for distributing the electronic pull-tab ticket information to the individual devices. The point-of-sale provides an interface to cash-in vouchers as well as game set management. The reporting server receives information from individual site servers and generates required reports.

#### Store Server

The Store Server controls and monitors activity at the site, handling all communication from the POS and game terminals. The server maintains device, transaction, voucher, and deal information. Win data is generated by the store server once the pool information is received from the state.

#### State Server

The State Server generates pool information for every game set, and is the central connection point for each store. The state server delivers game set information when requested by a store server.



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## System Software Being Certified:

File Name	Version	Kobe4 Signature	SHA-1 Signature	CDCK Signature
\Program Files\Launcher\Launcher.exe ①	1.1.1.0	H7P1	67274211FB506294F8D525DABBA6582385CAE938	0B7C
\Program Files\Launcher\RNG.dll ①	1.0.0.0	7258	2844BAF55AC3DBF9D180F3F48FEDE6ED8F836A46	75DE
\Program Files\POS\Launcher\Launcher.exe ①	1.0.7.0	7309	6D86A4144AF4F48FDD14C4966351CC50B9DBFDCA	D6B6
\Program Files\POS\Launcher\RNG.dll ①	1.0.0.0	7258	2844BAF55AC3DBF9D180F3F48FEDE6ED8F836A46	75DE
\Program Files\PullTabs\FrontEnd\RNG.dll ①	1.1.0.0	A705	DF3A0EAB0623E5B74862C133EB3AD5AFAA163FE5	AD1A
\Program Files\PullTabs\RNG.dll ①	1.1.0.0	A705	DF3A0EAB0623E5B74862C133EB3AD5AFAA163FE5	AD1A
\Program Files\PullTabs\StoreGamesetGenerator\RNG.dll ①	1.1.0.0	A705	DF3A0EAB0623E5B74862C133EB3AD5AFAA163FE5	AD1A
\Program Files\PullTabs\PullTab.dll	5.7.1.1	92FC	B43D37A20529F4515228EF6BA74063F5497EB92B	2F4C
\Program Files\PullTabs\PullTab.StoreServer.exe	6.4.3.5	2C02	D4E1549140A34AA16A04F070C526325F082EF8BD	B845
\Program Files\PullTabs\StoreGamesetGenerator\GamesetGenerator.exe	3.1.0.9	A110	F269976AC412E1D0ABCE134A6AEF412884F70EE6	BA5D
\Program Files\PullTabs\StoreGamesetGenerator\PullTab.dll	5.7.1.1	92FC	B43D37A20529F4515228EF6BA74063F5497EB92B	2F4C



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File Name	Version	Kobe4 Signature	SHA-1 Signature	CDCK Signature
\Program Files\PullTabs-StateServer\FateSystem.Security.dll	1.0.1.0	4056	3CC910EFFF96F9D2719263C434D1506C793AB8CA	A9CE
\Program Files\PullTabs-StateServer\GamesetGenerator\GamesetGenerator.exe	3.1.0.9	A110	F269976AC412E1D0ABCE134A6AEF412884F70EE6	BA5D
\Program Files\PullTabs-StateServer\GamesetGenerator\PullTab.dll	5.7.1.1	92FC	B43D37A20529F4515228EF6BA74063F5497EB92B	2F4C
\Program Files\PullTabs-StateServer\PullTab.dll	5.7.1.1	92FC	B43D37A20529F4515228EF6BA74063F5497EB92B	2F4C
\Program Files\PullTabs-StateServer\PullTab.StateServer.exe	5.1.1.9	381F	FFA9F091C937EE483495CEC1BEB023FD10D9F9C5	6D99

### System Software Modification:

The Store Server v6.4.3.5 and State Server v5.1.1.9 are MODIFYING the previously certified Store Server v6.4.2.4 and State Server v5.1.1.4, respectively. The modification is as follows:

1. Modified overall versions to accommodate a new pulltab.dll version.

Note: Modified software does not have to be removed from the field. The changes were cosmetic or enhancements to the previously certified version. This software, in addition to the previously certified version, will be listed on your Certified Report.



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**System Software Note:**

① This file has been previously certified and is being listed for continuity purposes only.

Due to the large number of non-critical files present on the above certified system, this report contains only those files which have been determined to be critical to system operations. A complete listing of all file signatures is available upon request.

**System Software Verification Procedure:**

For State Server and reporting.dll only, Prerequisites: System file signaturing via the below method requires secure access to the respective server and access to Verify+ by Kobetron™. Please contact Groving Gaming for required security access and connection information.

**Verify+ by Kobetron™ - Verification Procedure:**

1. Open Verify+ by Kobetron™
2. Select the 'File' radio button
3. Click "Browse", specify the file you wish to signature and click the "Open" button
4. If a different seed is needed, click the 'Options', then 'General Options' and enter a new seed
5. If needed, other File options can be found by clicking 'Options' then 'File Options'
6. Click the "Verify" button
7. The current file being checked will be displayed in the window
8. The program will generate the aforementioned signatures and display the results



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Verify+ by Kobetron™ - Database Stored Verification Procedure:

1. Open Verify+ by Kobetron™
2. Select the 'Device' radio button
3. Click "Database"
4. Under Data source, select "Microsoft SQL Server"
5. Under Data provider, select ".NET Framework Data Provider for SQL Server"
6. Click "OK"
7. Under Server name, select "PTSRV"
8. Select "Use SQL Server Authentication" and enter credentials
9. Select the database name and click "OK"
10. Click the checkbox in the first column for all desired components
11. Select "Add Selected and Close"
12. Click the "Verify" button
13. The program will generate the aforementioned signatures and display the results

**SOFTWARE**

**Game Description:**

"Phantom Fair"

"Phantom Fair" is a 3-tab, pull-tab game with a match three symbol lineup award card. The game includes a 'Pie Throw' feature, a 'High Striker' feature, a 'Free Fall Tower' feature, and an 'Extended Play' feature.



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**Main Program Being Certified:**

ID Number	Version	Type
\Program Files\PullTabs\FrontEnd\FateSystemExtensions.dll	1.7.2.0	FILE(S)
\Program Files\PullTabs\FrontEnd\PullTab.dll	5.7.0.0	FILE(S)
\Program Files\PullTabs\FrontEnd\PullTabFrontEnd.exe	6.12.12.0	FILE(S)

ID Number	Kobe4 Signature	SHA-1 Signature	CDCK Signature
\Program Files\PullTabs\FrontEnd\FateSystemExtensions.dll	H390	9A9CEE3B8A65D184824852DCCAF7D3A8342FC9DB	05BA
\Program Files\PullTabs\FrontEnd\PullTab.dll	6FP2	E772EE9398B646FBE06BF5FFEA8FB704A500A820	004B
\Program Files\PullTabs\FrontEnd\PullTabFrontEnd.exe	0192	749CCF11833D4CE13EEA868D1D8EC5546D3E5CF2	0D68



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**Main Program Modifications:**

The \Program Files\PullTabs\FrontEnd\FateSystemExtensions.dll v1.7.2.0, \Program Files\PullTabs\FrontEnd\PullTab.dll v5.7.0.0, and \Program Files\PullTabs\FrontEnd\PullTabFrontEnd.exe v6.12.12.0 are MODIFYING the previously certified \Program Files\PullTabs\FrontEnd\Pulltab.dll v5.5.1.0, \Program Files\PullTabs\FrontEnd\PullTabFrontEnd.exe v6.9.8.0, and \Program Files\PullTabs\FrontEnd\FateSystemExtensions.dll v1.6.2.7, respectively. The modifications are as follows:

1. Modified Front End to fix an issue in the field where the Audit Menu could become hidden by the Lock Screen.
2. Modified Front End to fix an issue in the field, where running an Interim Period Report while the Front End was locked could lock up the terminal completely.
3. Modified the timer that checks for network connection.
4. Added new pulltab game Phantom Fair.

Note: Modified software does not have to be removed from the field. The changes were cosmetic or enhancements to the previously certified version. This software, in addition to the previously certified version, will be listed on your Certified Report.





**Main Program Verification Procedure:**

Verify+ by Kobetron™ - Verification Procedure:

1. Power off the EGM and remove the SSD from the EGM.
2. Connect the SSD to an available USB port using a SATA to USB adaptor.
3. Open Verify+ by Kobetron™.
4. Select the 'File' radio button.
5. Click "Browse", specify the file you wish to signature and click the "Open" button.
6. Click the "Verify" button.
7. The program will generate the aforementioned signatures and display the results.

**Personality Program Being Certified:**

ID Number	Kobe4 Signature	SHA-1 Signature	CDCK Signature
\Program Files\PullTabs\Games\PhantomFair\PhantomFair_Data\Managed\Assembly-CSharp.dll	185A	D6B15498023A3FA05B3BEC06758 CD6CBA331313E	465B



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**Game Information:**

Available Paytables	Game Name	Denom.	Max Bet	Min. - Max. Percentage
140025880	Phantom Fair	\$0.25	1	88.00 - 88.00
140050880	Phantom Fair	\$0.50	1	88.00 - 88.00
140100880	Phantom Fair	\$1.00	1	88.00 - 88.00
140200880	Phantom Fair	\$2.00	1	88.00 - 88.00
140025890	Phantom Fair	\$0.25	1	89.00 - 89.00
140050890	Phantom Fair	\$0.50	1	89.00 - 89.00
140100890	Phantom Fair	\$1.00	1	89.00 - 89.00
140200890	Phantom Fair	\$2.00	1	89.00 - 89.00
14002500	Phantom Fair	\$0.25	1	90.00 - 90.00
14005000	Phantom Fair	\$0.50	1	90.00 - 90.00
14010000	Phantom Fair	\$1.00	1	90.00 - 90.00
14020000	Phantom Fair	\$2.00	1	90.00 - 90.00



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### Associated Software Descriptions:

[/site/wwwroot/bin/Reporting.dll](#)

The library used by the reporting website to generate the electronic pull tab reports required by regulation.

### Point of Sale

The Point of Sale (POS) software runs on a desktop computer. The point of sale program provides functions for cashier log in, voucher redemption, credential management, game set management, and generation of applicable reports.

### Store Server Stored Procedures

These are the procedures used by the store server to update the local database with information received from the electronic pull-tab devices and the state server.

### Associated Software Being Certified:

ID Number	Version	Type
/site/wwwroot/bin/Reporting.dll	1.2.8.0	FILE(S)
\Etickets-StoreServer\Programmability\Stored Procedures\CanPlay	N/A	FILE(S)
\Etickets-StoreServer\Programmability\Stored Procedures\GetNextTicket	N/A	FILE(S)
\Etickets-StoreServer\Programmability\Stored Procedures\RedeemVoucher	N/A	FILE(S)
\Program Files\POS\pulltabs\PullTab.dll	5.7.0.9	FILE(S)
\Program Files\POS\pulltabs\PullTabPOS.exe	5.14.5.0	FILE(S)



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ID Number	Kobe4 Signature	SHA-1 Signature	CDCK Signature
/site/wwwroot/bin/Reporting.dll	1H72	21D16224B7EA482A578957A09C31F5DFADA4CCD2	38ED
\Etickets-StoreServer\Programmability\Stored Procedures\CanPlay	992H	AD6D12AE35FBCA9833FD CD84B06163FD7F4FC38A	5F6A
\Etickets-StoreServer\Programmability\Stored Procedures\GetNextTicket	A6CP	FF87CD147CEC5128807A8 0FBE3406D7F3AF74989	86E4
\Etickets-StoreServer\Programmability\Stored Procedures\RedeemVoucher	5A22	441C081ECB48EB328D23D 298AA930AD37D550588	60F7
\Program Files\POS\pulltabs\PullTab.dll	U05A	8DE783E70DE3EC0F2E9BA AE4652728960E02C6C6	2471
\Program Files\POS\pulltabs\PullTabPOS.exe	F5A6	151063CCC5AF2B4559F32 5CE5AF061470679ABC6	0D6D

#### Associated Software Modifications:

The /site/wwwroot/bin/Reporting.dll v1.2.8.0 is MODIFYING the previously certified /site/wwwroot/bin/Reporting.dll v1.2.0.0. The modification is as follows:

1. Modified the version to include new games.

Note: Modified software does not have to be removed from the field. The changes were cosmetic or enhancements to the previously certified version. This software, in addition to the previously certified version, will be listed on your Certified Report.



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The \Program Files\POS\pulltabs\PullTab.dll v5.7.0.9 and \Program Files\POS\pulltabs\PullTabPOS.exe v5.14.5.0 are MODIFYING the previously certified \Program Files\POS\pulltabs\PullTab.dll v5.6.4.0 and \Program Files\POS\PullTabPOS.exe v5.8.1.0, respectively. The modifications are as follows:

1. Modified buttons in the Close Quarter process where the user is shown a summary of games selected for the next quarter. If "No" is chosen, the Game selection Portal is launched allowing the user to log in with existing credentials and make changes to the selected games.
2. Modified logic around a Point Of Sale closing automatically after curfew has passed, so any unredeemed vouchers are invalidated.
3. Modified the "Stop Play" button logic to allow all game play to stop, but still allow the Point of Sale to redeem vouchers.

Note: Modified software does not have to be removed from the field. The changes were cosmetic or enhancements to the previously certified version. This software, in addition to the previously certified version, will be listed on your Certified Report.

The \Etickets-StoreServer\Programmability\Stored Procedures\CanPlay, \Etickets-StoreServer\Programmability\Stored Procedures\GetNextTicket, and \Etickets-StoreServer\Programmability\Stored Procedures\RedeemVoucher are MODIFYING the previously certified North Dakota 1.3.0 PullTabs. The modifications are as follows:

1. Modified to work with a Point Of Sale closing automatically after curfew has passed, so any unredeemed vouchers are invalidated.

Note: Modified software does not have to be removed from the field. The changes were cosmetic or enhancements to the previously certified version. This software, in addition to the previously certified version, will be listed on your Certified Report.



**Compatible Item(s):**

Testing was performed by GLI using compatible components as defined by the manufacturer and the software/hardware being certified within this report is expected to be used in conjunction with previously and/or subsequently certified and compatible software, hardware and system(s). A list of all components used during the evaluation performed by GLI has been internally documented and can be made available upon request.

If you should have any questions regarding this information, please feel free to contact our office.

Sincerely,

**GAMING LABORATORIES INTERNATIONAL, LLC**

Christine M. Gallo

Vice President of Technical Compliance and Quality Assurance

c: Mr. Kevin Morse, Grover Gaming

nbn

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Specification:

Program	Progressive						Features				Payout Medium			Valid Credit Issuance		
	Standalone (internal)	Link (internal)	Link (external)	Multi Site	Mystery (internal)	Mystery (external)	Multi-denom (more than 1 denom)	Tokenization	Double Up	Tournament	Coin (or token) Hopper	Printer Voucher Out	US Issued Currency out (Bill hopper)	Coin (or token) Comparator	Currency (via Bill Acceptor)	Printer Voucher In (via Bill Acceptor)
\Program Files\PullTabs\FrontEnd\FateSystemExtensions.dll							S T					S T		S T		
\Program Files\PullTabs\FrontEnd\PullTab.dll							S T					S T		S T		
\Program Files\PullTabs\FrontEnd\PullTabFrontEnd.exe							S T					S T		S T		

S = Supported  
T = Tested



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