



**GLI®**

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November 17, 2009

Mr. Charles LaBoy, CPA, Director of Audit and Electronic Security  
Kansas Racing and Gaming Commission  
Eisenhower State Office Building  
700 SW Harrison, Suite 500  
Topeka, KS 66603-3754

**RE: Compliance with current Kansas Racing and Gaming Standards**

Dear Mr. LaBoy;

Please be advised, **Gaming Laboratories International, Inc. (GLI)** has determined the following Western Money Systems hardware and software meets the corresponding Kansas Racing and Gaming standards as referenced within the charts below:

**MO-73-WEM-08-01**

GLI File Number	DESCRIPTION	Standards Tested Against
MO-73-WEM-08-01	CashCode (FLS) FrontLoad Standard Bill Validator Hardware	GLI-11 V2.0 Gaming Devices in Casinos, in addition to KRGC proprietary standards

The (FLS) FrontLoad Standard Bill Validator accommodates bills of different sizes from 62 to 85 mm width wide, and from 125 to 172 mm length long. The FLS consists of five main modules: Validating Head, Cassette, Bezel, Memory Card and Housing.

The **Validating Head** is used to validate the bills and tickets entering the bill validator. In addition, the Validating Head also has a centering mechanism which allows it to process bills of different width.

The **Cassette** is a lockable and removable canister which is used to store validated notes.

Several **Bezel** types are available for the FLS which is dependent upon different door styles on the gaming machine, as well as the proper bill width.

Software updates and verification can be easily done through the **Memory Card** which is situated on the side of FLS Validating Head.

The **Housing** joins all modules and is meant to be permanently secured inside the gaming machine.

**MO-73-WEM-08-02**

GLI File Number	DESCRIPTION	Standards Tested Against
MO-73-WEM-08-02	Bill Acceptor Software	GLI-11 V2.0 Gaming Devices in Casinos, in addition to KRGC proprietary standards
	Bill Acceptor Software (Flash Version)	

**MO-73-WEM-08-03**

GLI File Number	DESCRIPTION	Standards Tested Against
MO-73-WEM-08-03	JCM Bill Acceptor Hardware	GLI-11 V2.0 Gaming Devices in Casinos, in addition to KRGC proprietary standards
	Bill Validator Software (Flash Version)	

The UBA-10 designation is an abbreviation for Universal Bill Acceptor and the “10” is to designate this model as the FLASH version of this hardware. With the UBA-10, the bill acceptor transport and the sensor-head have been incorporated into one unit. The UBA-10 is a comprehensive unit that can be utilized with all known currencies globally. One of the reasons for this is the adjustable guides that will sense and center currencies with smaller dimensions or vouchers that have been inserted at an angle. This feature enables acceptance of currency with smaller dimensions as well as improves the acceptance of vouchers. Another reason for the universal use of the UBA-10 is the 8 megabits of memory allowing for larger or more comprehensive programs capable of processing a multitude of denominations concurrently worldwide.

The previously seen Intelligent Cashbox (ICB) function is integrated into the UBA-10. There is a removable printed circuit board (PCB) with “ICB” printed in bold letters, underneath the front side of the UBA-10. This PCB plugs onto the main circuit board through 8 pins and enables the ICB function. To disable the ICB function, simply unplug this PCB. Additionally, the cash boxes for the UBA-10 have the same dimensions as the WBA series bill acceptor, therefore, previous WBA cash boxes are compatible with the UBA-10 bill acceptors and the new UBA-10 cash boxes are compatible with the previous WBA bill acceptors.

Two additional changes are the USB port and repositioning of the dipswitches. There is a USB port on the front of the bill acceptor unit allowing for quick testing, diagnostics and upgrading of firmware. The dipswitches that allow and/or disallow certain functions are now on the front of the unit, making adjustments easier.

**MO-73-WEM-09-01**

GLI File Number	Description	Standards Tested Against
MO-73-WEM-09-01	Bill Validator Software	GLI-11 V2.0 Gaming Devices in Casinos, in addition to KRGC proprietary standards

**MO-73-WEM-09-02**

GLI File Number	Description	Standards Tested Against
MO-73-WEM-09-02	JCM Bill Acceptor Hardware (Flash)	GLI-11 V2.0 Gaming Devices in Casinos, in addition to KRGC proprietary standards
	JCM Bill Acceptor Hardware (EPROM)	

The WBA-12S and WBA-13S designation is an abbreviation for World Bill Acceptor, where the '12' designates the FLASH version of this hardware while the '13' designates an EPROM version.

The WBA is designed to be very modular as it consists of a transport and a sensor-head. The WBA also allows the operator to enable/disable certain bill denominations, ticketing functionality, as well as higher security settings via dipswitches located on the side of the bill validator.

The previously seen Intelligent Cashbox (ICB) function is integrated into the WBA. There is a removable printed circuit board (PCB) underneath the front side of the WBA. This PCB plugs onto the main circuit board through a 4pin cable and enables the ICB function. To disable the ICB function, simply unplug this PCB.

The WBA-12S and WBA-13S bill validators are the high speed versions of the standard WBA-12/13 bill validators. These bill validators are equipped with a high speed motor capable of stacking notes faster than the standard WBA-12/13 bill validators.

**MO-73-WEM-09-03**

GLI File Number	Description	Standards Tested Against
MO-73-WEM-09-03	NANOPTIX Paycheck 2 Printer	GLI-20 Redemption Kiosks, in addition to KRGC proprietary standards
	NANOPTIX Paycheck 3 Printer	
	NANOPTIX Paycheck 4 Printer	
	NANOPTIX Paycheck 2 Printer Software (FLASH Version)	
	NANOPTIX Paycheck 3/4 Printer Software (FLASH Version)	

The NANOPTIX Paycheck 2, 3, and 4 Printers are flash-able thermal printers constructed of both metal and plastic parts. The printers are capable of supporting ticket stacks of 200, 400, 600 or 800 depending on the ticket tray (or ticket cartridge) installed with the printer. The printers support drop-in paper loading, are hot swappable (can be swapped out with another printer while the power to the gaming machine is ON) and can print a ticket in 1.2 seconds. The printers contain two USB ports (one on the side toward the front of the printer used for maintenance and one in the back top portion used for communication) which are used for diagnostic purposes. Next to the USB port on the side of the printer is a Paper Feed button which is responsible for advancing the ticket paper and two LED's (an Error LED (red) and a Status LED (green)) which are used to alert the operator/technician of various printer conditions.

Additionally, Paycheck 3 & 4 printers contain circuitry boards which consist of two Dip Switch banks; one of which is responsible for various firmware and setting configurations (16 different DIP switch combinations) and the other for various booting options (4 different DIP switch combinations).

**SY-35-WEM-07-06**

<b>GLI File Number</b>	<b>Description</b>	<b>Standards Tested Against</b>
SY-35-WEM-07-06	CX2 Ticket Redemption Terminal - Kiosk Hardware	GLI-20 Redemption Kiosks, in addition to KRGC proprietary standards

**Western Money Systems Casino Exchange Redemption Machine:**

The Western Money Systems CX2 is an online, real time, ticket (voucher) kiosk, and ticket for cash. It will also accept cash and make change (i.e. an inserted \$20.00 bill will return four \$5.00 bills). The CX2 is networked to the system database. It receives information through the Western Money Systems PXC. It will query the system to determine the status of the ticket and ensure the validity of the ticket.

**Major Components:**

**Bill Acceptor:** This device is designed to accept and read barcodes on tickets printed by gaming devices that communicate with an on-line validation system. Upon insertion by the patron, the device reads the barcode information printed on the ticket and holds it in escrow until the validation system responds to the Ticket Redemption Terminal with a 'Valid' or 'Invalid' response. If the terminal cannot read the ticket or if the ticket is not 'Valid' it is returned to the patron.

**Display Unit:** The Display Unit indicates what is happening in the cash redemption process after the customer inserts the ticket. The Display Unit displays different information depending on the status of the ticket and how the machine is being used. The patron will read this display and take the appropriate action where applicable.

**Examples of Display:**

**Insert Ticket:** When the machine is idle, it will display "Insert Ticket" indicating to the patron that it is available for cashing out the patron's tickets.

**Processing:** While the ticket is being held in escrow and the Redemption Terminal is waiting for a response from the validation system about the status of the ticket, the display will show "Processing".

**Value of Ticket:** If the ticket is valid and the Redemption Terminal receives a pay amount, the display will show the value of the pay amount.

Thank You: After the patron redeems a ticket, and receives cash, the display will show “Thank You” before returning to the idle message of “Insert Ticket”.

Please See Cashier: If the ticket is invalid (the value of the ticket is too high to redeem at the cash machine or there is no data available about it on the network), the display will show “Please see Cashier”.

Please Try Again: If the ticket acceptor can not read the barcode on the ticket, the Redemption Terminal does not have any information to send to the network and the display will show “Please Try Again” when applicable.

Not in Use: If one or more of the coin hoppers or bill cassettes is empty, or if there is a mechanical/electrical malfunction, the unit will not operate until the condition is corrected.

Coin Hoppers: Manufactured by Money Controls, the SBB Cyclone is used to dispense coins. The Western Money Systems contains three hoppers, \$0.01, \$0.05, and \$0.25. Each hopper has a low level sensor that alerts the attendant to this condition. The Service Candle will flash red when the hopper is low, and when the hopper is empty the Service Candle will stay a solid red and the Kiosk will go out of service.

Six-Bin Currency Dispenser: Manufactured by Fujitsu F610 provides automated dispensing of cash.

Service Light: A red light will slowly blink if a machine is low on funds, either currency or coins. A solid red light indicates that the machine is out of service. Out of service could be caused by a device failure or be an indication that the machine is out of funds.

#### **Various Tilt/Error Conditions:**

Coin-Out Error: If a hopper goes empty, the Service Light will alert the attendant of the empty condition. If the hopper becomes empty during a payout of a ticket, this is settled by an attendant providing a handpay ticket produced from the Kiosk printer.

Currency-Out Error: If a denomination of currency runs out, the Service Light will alert the attendant of the empty condition. If a denomination of currency runs out during a payout, the Kiosk will pay the coins, the service light will alert the attendant, and a handpay will take place.

**Kiosk Components:**

- Monitor: 17 inch LCD touch screen
- Dual JCM WBA-12/13-SS Bill Acceptors
- Coin Dispenser Money Controls SBB Cyclone
- Printer Nanoptix TRT01
- Receipt Printer Citizen PPU-231
- Magnetic Card Reader KDE KDM-9952
- Keypad Sagem INT1315-4220
- Cash Dispenser Fujitsu F610
- UPS APC Smart UPS 1000
- TCP/IP networking Protocol

**SY-73-WEM-06-06**

GLI File Number	Description	Standards Tested Against
SY-73-WEM-06-06	TXC/CXC BCM Ticket Redemption Terminal	GLI-11 V2.0 Gaming Devices in Casinos, in addition to KRGC proprietary standards

**Western Money Systems Casino Exchange Redemption Machine:**

The Western Money Systems TXC/CXC BCM is an online, real time, ticket (voucher) kiosk, and ticket for cash. It will also accept cash and make change (i.e. an inserted \$20.00 bill will return four \$5.00 bills). The TXC/CXC BCM is networked to the system database. It receives information through the Western Money Systems BXC. It will query the system to determine the status of the ticket and ensure the validity of the ticket.

**Major Components:**

Bill Acceptor: This device is designed to accept and read barcodes on tickets printed by gaming devices that communicate with an on-line validation system. Upon insertion by the patron, the device reads the barcode information printed on the ticket and holds it in escrow until the validation system responds to the Ticket Redemption Terminal with a 'Valid' or 'Invalid' response. If the terminal cannot read the ticket or if the ticket is not 'Valid' it is returned to the patron.

Display Unit: The Display Unit indicates what is happening in the cash redemption process after the customer inserts the ticket. The Display Unit displays different information depending on the status of the ticket and how the machine is being used. The patron will read this display and take the appropriate action where applicable.

**Examples of Display:**

Insert Ticket: When the machine is idle, it will display “Insert Ticket” indicating to the patron that it is available for cashing out the patron’s tickets.

Processing: While the ticket is being held in escrow and the Redemption Terminal is waiting for a response from the validation system about the status of the ticket, the display will show “Processing.”

Value of Ticket: If the ticket is valid and the Redemption Terminal receives a pay amount, the display will show the value of the pay amount.

Thank You: After the patron redeems a ticket, and receives cash, the display will show “Thank You” before returning to the idle message of “Insert Ticket.”

Please See Cashier: If the ticket is invalid (the value of the ticket is too high to redeem at the cash machine or there is no data available about it on the network), the display will show “Please See Cashier.”

Please Try Again: If the ticket acceptor cannot read the barcode on the ticket, the Redemption Terminal does not have any information to send to the network and the display will show “Please Try Again” when applicable.

Not In Use: If one or more of the coin hoppers or bill cassettes is empty, or if there is a mechanical/electrical malfunction, the unit will not operate until the condition is corrected.

Coin Hoppers: Manufactured by Money Controls, the SBB Cyclone is used to dispense coins. The Western Money Systems contains three hoppers, \$0.01, \$0.05, and \$0.25. Each hopper has a low level sensor that alerts the attendant to this condition. The Service Candle will flash red when the hopper is low. When the hopper is empty the Service Candle will stay a solid red and the Kiosk will go out of service.

Four-Bin Currency Dispenser: Manufactured by TEC Hawk Model LVDT 5635 provides automated dispensing of cash.

Service Light: A red light will slowly blink if a machine is low on funds, either currency or coins. A solid red light indicates that the machine is out of service. Out of service could be caused by a device failure or be an indication that the machine is out of funds.

**Various Tilt / Error Conditions:**

Coin-Out Error: If a hopper goes empty, the Service Light will alert the attendant of the empty condition. If the hopper becomes empty during a payout of a ticket, this is settled by an attendant providing a handpay ticket produced from the Kiosk printer.

Currency-Out Error: If a denomination of currency runs out, the Service Light will alert the attendant of the empty condition. If a denomination of currency runs out during a payout, the Kiosk will pay the coins, the service light will alert the attendant, and a handpay will take place. The Kiosk is designed to shut down and needs to be refilled once the Kiosk reaches a \$3,000.00 threshold. For example, if the Kiosk has \$3,150.00 and the customer puts in a ticket for \$200.00, it will pay the ticket and shut down with \$2,950.00 because the Kiosk has gone down past the \$3,000.00 threshold. The Kiosk would then have to be refilled.

**Kiosk Components:**

- Monitor: 17 inch LCD touch screen
- JCM WBA-12/13-SS
- Coin Dispenser Money Controls SBB Cyclone
- Printer Nanoptix TRT01
- Receipt Printer Citizen PPU-231
- Magnetic Card Reader KDE KDM-9952
- Keypad Sagem INT1315-4220
- Cash Dispenser NCR 5635
- UPS APC Smart UPS 1000
- TCP/IP networking Protocol

**SY-73-WEM-09-12**

<b>GLI File Number</b>	<b>Description</b>	<b>Standards Tested Against</b>
SY-73-WEM-09-12	ReportServ.exe Software	GLI-20 Redemption Kiosks, in addition to KRGC proprietary standards

ReportServ.exe

This software is responsible for receiving the transaction, meter and status related messages from the kiosks, parsing the messages and storing them in the database. In this version, the message format was changed to add additional information about the kiosk cassette configuration as well as additional status flags that were not used in Xchange Manager. ReportServ.exe is also capable of storing data in either an Xchange Explorer database, and Xchange Manager database or both at the same time. Xchange Manager and Xchange Explorer provide a graphical user interface for the data pulled from ReportServ.exe

**SY-73-WEM-09-13**

GLI File Number	Description	Standards Tested Against
SY-73-WEM-09-13	ReportServAgent.exe Software	GLI-20 Redemption Kiosks, in addition to KRGC proprietary standards

ReportServAgent.exe

This software performs the following functions specific to Xchange Explorer:

- Periodically summarizes kiosk transaction and fill data for display on the Xchange Explorer kiosk display screen (HUD).
- Monitors the Xchange Explorer database for events that trigger alerts and creates the appropriate alert.
- Sends alert messages to users that have subscribed to them via email.
- Handles report scheduling by emailing reports that users have requested at the specified time interval.

**SY-73-WEM-09-20**

GLI File Number	Description	Standards Tested Against
SY-73-WEM-09-20	TXC/CXC BCM and/or CX2 Ticket Redemption Terminal Software CXC.exe	GLI-20 Redemption Kiosks, in addition to KRGC proprietary standards
	PXC.exe Software	

Western Money Systems Casino Exchange Redemption Machine

The Western Money Systems TXC/CXC BCM and CX2 are online, real time, ticket (voucher) kiosks, and ticket for cash. These kiosks will also accept cash and make change (i.e. an inserted \$20.00 bill will return four \$5.00 bills). The TXC/CXC BCM and CX2 are networked to the system database. The kiosks receive information through the Western Money Systems PortXchange. The kiosk will query the system to determine the status of the ticket and ensure the validity of the ticket.

*November 17, 2009*

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

Sincerely,

**GAMING LABORATORIES INTERNATIONAL, LLC**

A handwritten signature in cursive script that reads "Chillo".

Christine M. Gallo

Sr. Director of Technical Compliance & Quality Assurance

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