



STATE OF WASHINGTON
GAMBLING COMMISSION

"Protect the Public by Ensuring that Gambling is Legal and Honest"

October 28, 2014

Kerrie Kimball
Bally Technologies
6650 El Camino Road
Las Vegas, NV 89118

RE: Progressive Games

Dear Ms. Kimball,

We have reviewed the changes made to the progressive games noted below:

- 6 Card Fortune Pai Gow Poker
- Big Raise Stud Poker
- Caribbean Stud Poker (includes Caribbean Stud Bonus Poker)
- Crazy 4 Poker
- Dragon Bonus
- Fortune Asia Poker
- Fortune Pai Gow
- King's Bounty Progressive
- Let it Ride
- Mississippi Stud
- Straight Edge Poker
- Texas Hold'em Bonus
- Three Card Poker

Based on our review of the documentation we received from Bally Technologies, the Washington State Gambling Commission will approve the progressive games noted above under the conditions listed below:

- The games shall be played and operated under the terms and conditions set forth under the rules of play you provided on September 9, 2014, September 24, 2014 and October 14, 2014, and which are enclosed.



Commercial Card Rooms

- Commercial card room operators seeking to operate this game must first submit their internal controls and receive approval from the Commission prior to implementing.
- Manufacturers and distributors of graphic layouts and/or any other equipment associated with the game must be licensed by the state prior to the sale of the equipment.

Tribal Casinos

- Each Tribal Gaming Operation must request and obtain approval from their respective Tribal Gaming Agencies (TGA).

Before TGA allows your game to operate, they will seek concurrence from our agency as well.

- In addition to your approved rules, the Tribal submission to us must include all supplemental information required by Tribal-State Compact Appendix A, Section 18.
- Manufacturers and distributors of graphic layouts and/or any other equipment associated with the game must be certified by the state and licensed by the Tribe prior to the sale of the equipment.

Any modifications to this game may affect this approval. If you have any questions on commercial implementation, please contact Jess Lohse at (425) 277-7017. If you have any questions on Tribal implementation, please contact Kelly Main at (206) 423-4260.

Thank you for your cooperation and willingness to comply with the gambling laws of Washington State.

Sincerely,



Tina Griffin
Assistant Director
Licensing Operations Division

Enclosure

cc: Mark Harris, Assistant Director Field Operations
Julie Lies, Assistant Director Tribal Gaming Division
Jess Lohse, Special Agent Field Operations
Kelly Main, Special Agent Supervisor Tribal Gaming
File



RULES OF PLAY:

Caribbean Stud is a five card stud poker game where each player plays against the dealer for the best five card poker hand. The dealer must qualify with an Ace-King or better. This game also features an optional progressive bet.

To begin, each player must make an ante wager by placing the wager in the designated “ante” wagering area in front of the player’s position. Each player may also place the optional progressive wager.

The dealer deals 5 cards to each player and to the dealer. Starting with the player in the first position to the left of the dealer, continuing clockwise, and the dealer receives their cards last. The fifth card dealt to the dealer only, which shall be the bottom card of the group, shall be dealt or turned face up and exposed to the table. Remaining cards of the deck will be put in the discard rack.

The player now picks up their cards and must decide to either fold (surrender ante) or to bet (bet equals two times ante). If the player:

- a) Folds, the ante wager is lost. In any player order, the dealer collects the ante wager and then the cards from each player who has folded. As the cards are collected, the dealer shall spread the cards, count the cards, and then place the cards in the discard rack. If a player folds, they are not eligible for a progressive payout; or
- b) Plays the hand, the player must make an additional wager, equal to exactly twice the amount of the ante, by placing the wager in the “bet” area, behind the ante, in front of the player’s position.

Once all the players have made a decision to fold or stay in the game, the dealer exposes his cards and arranges them to make the best possible poker hand. The dealer must have an Ace and a King or better to qualify.

- a) If the dealer does not have a qualifying hand, the dealer shall announce “no hand” and immediately pay all the Ante wagers at the rate of 1 to 1 (even money) and pushes all the Bet wagers. If the player has a qualifying progressive hand, the cards shall be left on the table face up and a games supervisor shall verify the hands. Please see below for further instructions on the progressive wager payouts.
- b) If the dealer does have a qualifying hand, the dealer shall compare his hand to the hand of each player that has made both the “ante” and “bet” wagers. The higher poker hand between each player and the dealer wins.
- Tied hands result in a push and no action;
 - The antes of winning hands are paid at the rate of 1 to 1 (even money);
 - The bets of winning player’s hands are paid according to the following payment schedule, which shall be displayed by table signage or on the table layout:

Hand	Pays*
Royal Flush	100 to 1
Straight Flush	50 to 1
4 of a Kind	20 to 1
Full House	7 to 1
Flush	5 to 1
Straight	4 to 1
3 of a Kind	3 to 1
Two pair	2 to 1
One pair or less	1 to 1 (even money)

If the player’s hand qualifies for a progressive payout, please see instructions below:

1. The meter will be reseeded when the 100% award hits. The cost of the reseed has been factored in to the casino’s mathematical advantage.
2. To begin each round, players must make their regular game’s wager. They may optionally place any bonus wagers and the progressive wager. Players must place the progressive wagers on the sensor in front of their betting position. The sensor will light up.
3. Once all players place their bets, the dealer will press “COIN IN” on the keypad. The sensors will then light up, indicating a progressive wager. The dealer will then remove all progressive bets from the table.
4. The dealer then follows house procedures for dealing the regular game.

5. The dealer reconciles the standard wager, any bonus wagers, and progressive wagers at the same time. Folded hands do NOT qualify for payouts on the progressive wager. Follow the procedure in the next section for reconciling percentage pays from the progressive meter.
6. Progressive winners:
 - a. The percentage pays are paid from the progressive jackpot shown on the progressive meter.
 - b. Other hands are paid from the tray or from the meter, at the casino's requirements.
 - c. In the event more than one progressive meter pay hits during the same round, the dealer will first pay the player farthest on this right and then move counter-clockwise to pay other players. As Regulatory procedures permit, this policy can be replaced by casino internal controls.
 - d. When a player has a progressive winner, the dealer shall press the appropriate hand button on the keypad. (If the hand button is pressed by accident, pressing it again will turn it off.)
 - e. The dealer shall then contact a supervisor.
 - f. Once the casino verifies the progressive win, the supervisor shall insert the key and rotate it to "JPH" and then press "J-pot" button. This records the win onto the Game Manager. House procedures are then followed for paying the prize. (Reviewing the monitor connected to the Game Manager will show the prize amount to be paid, and pressing the "money bag" icon will print a win page, which can be used to help record the payout for accounting.)
 - g. Returning the supervisor key to the "Run" position will restore normal operation of the table, and adjust the meter appropriately for the prize won.
 - h. When the dealer reconciles all action, he presses "Game Over." This resets the system to begin the next hand.
 - i. Once the "J-pot" button is pressed, the prize is logged into Game Manager. If the progressive pay needs to be backed out at this point, the award will need to be manually backed out using the Game Manager manual adjustment feature.

This game will use the approved SHFL entertainment owned progressive system containing the following components and their compatible software versions: Game Manager v6.6 Build 520 or higher, Aquarius Controller v6.5.6SP, Coin Spot v6.0 and the progressive display can be either CHAM2+ v1.66P\$ or ViPS v1.2.0 or higher.

Operators cannot allow wagering limits to exceed the authorized limits set out in WAC 230-15-040 and WAC 230-15-140.



RULES OF PLAY:

Caribbean Stud is a five card stud poker game where each player plays against the dealer for the best five card poker hand. The dealer must qualify with an Ace-King or better. This game also features an optional progressive bet.

To begin, each player must make an ante wager by placing the wager in the designated “ante” wagering area in front of the player’s position. Each player may also place the optional progressive wager.

The dealer deals 5 cards to each player and to the dealer. Starting with the player in the first position to the left of the dealer, continuing clockwise, and the dealer receives their cards last. The fifth card dealt to the dealer only, which shall be the bottom card of the group, shall be dealt or turned face up and exposed to the table. Remaining cards of the deck will be put in the discard rack.

The player now picks up their cards and must decide to either fold (surrender ante) or to bet (bet equals two times ante). If the player:

- a) Folds, the ante wager is lost. In any player order, the dealer collects the ante wager and then the cards from each player who has folded. As the cards are collected, the dealer shall spread the cards, count the cards, and then place the cards in the discard rack. If a player folds, they are not eligible for a progressive payout; or
- b) Plays the hand, the player must make an additional wager, equal to exactly twice the amount of the ante, by placing the wager in the “bet” area, behind the ante, in front of the player’s position.

Once all the players have made a decision to fold or stay in the game, the dealer exposes his cards and arranges them to make the best possible poker hand. The dealer must have an Ace and a King or better to qualify.

- a) If the dealer does not have a qualifying hand, the dealer shall announce “no hand” and immediately pay all the Ante wagers at the rate of 1 to 1 (even money) and pushes all the Bet wagers. If the player has a qualifying progressive hand, the cards shall be left on the table face up and a games supervisor shall verify the hands. Please see below for further instructions on the progressive wager payouts.
- b) If the dealer does have a qualifying hand, the dealer shall compare his hand to the hand of each player that has made both the “ante” and “bet” wagers. The higher poker hand between each player and the dealer wins.
- Tied hands result in a push and no action;
 - The antes of winning hands are paid at the rate of 1 to 1 (even money);
 - The bets of winning player’s hands are paid according to the following payment schedule, which shall be displayed by table signage or on the table layout:

Hand	Pays*
Royal Flush	100 to 1
Straight Flush	50 to 1
4 of a Kind	20 to 1
Full House	7 to 1
Flush	5 to 1
Straight	4 to 1
3 of a Kind	3 to 1
Two pair	2 to 1
One pair or less	1 to 1 (even money)

If the player’s hand qualifies for a progressive payout, please see instructions below:

1. The meter will be reseeded when the 100% award hits. The cost of the reseed has been factored in to the casino’s mathematical advantage.
2. To begin each round, players must make their regular game’s wager. They may optionally place any bonus wagers and the progressive wager. Players must place the progressive wagers on the sensor in front of their betting position. The sensor will light up.
3. Once all players place their bets, the dealer will press “START GAME” on the keypad. The sensors will then light up, indicating a progressive wager. The dealer will then remove all progressive bets from the table.
4. The dealer then follows house procedures for dealing the regular game.

5. The dealer reconciles the standard wager, any bonus wagers, and progressive wagers at the same time. Folded hands do NOT qualify for payouts on the progressive wager. Follow the procedure in the next section for reconciling percentage pays from the progressive meter.
6. Progressive winners:
 - a. The percentage pays are paid from the progressive jackpot shown on the progressive meter.
 - b. Other hands are paid from the tray or from the meter, at the casino's requirements.
 - c. In the event more than one progressive meter pay hits during the same round, the dealer will first pay the player farthest on this right and then move counter-clockwise to pay other players. As Regulatory procedures permit, this policy can be replaced by casino internal controls.
 - d. When a player has a progressive winner, the dealer will select the player spot corresponding to the player with the winning progressive hand. The dealer will then press the appropriate hand button on the display. (If the hand button is pressed by accident, pressing it again will turn it off.)
 - e. The dealer shall then contact a supervisor.
 - f. Once the casino verifies the progressive win, the supervisor will press the confirm button. To complete the action, a Supervisor or Executive card (depending on jackpot level) swipe is required. This records the win onto the Game Manager computer and adjusts the meter appropriately for the prize won. House procedures are then followed for paying the prize. (Reviewing the monitor connected to the Game Manager will show the prize amount to be paid, and pressing the "money bag" icon will print a win page, which can be used to help record the payout for accounting.)
 - g. When the dealer reconciles all action, he presses "END GAME." This resets the system to begin the next hand.
 - h. Once the Supervisor or Executive card (depending on jackpot level) is swiped the prize is logged into Game Manager. If the progressive pay needs to be backed out at this point, the award will need to be manually backed out using the Game Manager manual adjustment feature.

This game will use the approved SHFL entertainment owned progressive system containing the following components and their compatible software versions: Nexus Command Game Manager v1.3.0 or higher, Nexus Command Table Controller Software v2.0.0 and ViPS display.

Operators cannot allow wagering limits to exceed the authorized limits set out in WAC 230-15-040 and WAC 230-15-140.



PROGRESSIVE SYSTEMS FLEXIBILITY and RECOMMENDATIONS:

- Progressive meter contribution
 - When using a pay table in which all payouts are deducted from the meter, we recommend utilizing the system to configure meter contribution rates anywhere between 0-100%.
 - Most pay tables with this style of math are designed to grow over time when a contribution rate of 70% or more is used. If less is contributed, the risk of the meter “running dry” increases.
 - When using a pay table in which only the progressive (percentage) pays are deducted from the meter, we recommend only reducing the pre-configured meter contribution rate if any changes are made. Adjusting the contribution rate above the pre-configured value would reduce the mathematical house advantage of the wager.

- Reserve contribution
 - We recommend contributing a small portion of each progressive wager to the reserve. This amount will be added on to any configured seed amount after a 100% award is given, and will help reduce the drop in play expected after a jackpot hits.
 - We do not recommend eliminating a seed amount entirely and using the reserve as the only seed mechanism. All games present a certain likelihood of back-to-back awards, and this method runs the risk of restarting the meter at a very low amount in that case.

- Seed amount
 - We recommend using the pre-configured seed amount in the system. This amount is specific to the pay table selected for use, and is designed to offer a reasonable starting point that works with the pay table’s math.
 - If any changes are made, we recommend the seed amount to be at least as large as the largest “fixed” award on the pay table.
 - We do not recommend configuring a \$0 seed amount.

Caribbean Stud Progressive Paytables with Game Manager
Paytable Summary

Paytable Designator	CSTUD - 01 PCSA1 (\$1 wager)	CSTUD - 02 PCSA2 (\$1 wager)	CSTUD - 03 PCSA3 (\$1 wager)	CSTUD - 04 PCSA4 (\$1 wager)
OUTCOME	Progressive Paytable	Progressive Paytable	Progressive Paytable	Progressive Paytable
Royal Flush	100% (from meter)	100% (from meter)	100% (from meter)	100% (from meter)
Straight Flush	10% (from meter)	\$5,000 (from meter)	\$5,000 (from meter)	10% (from meter)
Four of a Kind	\$500 (from meter)	\$500 (from meter)	\$250 (from meter)	\$250 (from meter)
Full House	\$100 (from meter)	\$100 (from meter)	\$100 (from meter)	\$100 (from meter)
Flush	\$50 (from meter)	\$50 (from meter)	\$50 (from meter)	\$50 (from meter)
House Edge	28%	28%	28%	28%
Seed	\$10,000	\$10,000	\$10,000	\$10,000
Hit Frequency	0.37%	0.37%	0.37%	0.37%

Paytable Designator	CSTUD - 05 PCSA5 (\$1 wager)	CSTUD - 06 PCSA6 (\$1 wager)	CSTUD - 07 PCSA7 (\$1 wager)	CSTUD - 08 PCSB1 (\$1 wager)
OUTCOME	Progressive Paytable	Progressive Paytable	Progressive Paytable	Progressive Paytable
Royal Flush	100% (from meter)	100% (from meter)	100% (from meter)	100% (from meter)
Straight Flush	10% (from meter)	10% (from meter)	\$5,000 (from meter)	\$5,000 (from meter)
Four of a Kind	\$100 (from meter)	1% (from meter)	\$250 (from meter)	\$500 (from meter)
Full House	\$50 (from meter)	\$50 (from meter)	\$100 (from meter)	\$100 (from meter)
Flush	\$25 (from meter)	\$25 (from meter)	\$50 (from meter)	\$50 (from meter)
Straight			\$25 (not from meter)	\$10 (not from meter)
Three of a Kind				\$3 (not from meter)
Two Pair				\$2 (not from meter)
House Edge	28%	28%	28%	11%
Seed	\$10,000	\$10,000	\$10,000	\$10,000
Hit Frequency	0.37%	0.37%	0.37%	0.77%

Caribbean Stud Progressive Paytables with Game Manager
Paytable Summary

Paytable Designator	CSTUD - 09	CSTUD - 10	CSTUD - 11	CSTUD - 12
	PCSC1 (\$1 wager)	PCSB2 (\$2.50 wager)	PCSC2 (\$2.50 wager)	PCSB5 (\$5 wager)
OUTCOME	Progressive Paytable	Progressive Paytable	Progressive Paytable	Progressive Paytable
Royal Flush	100% (from meter)	100% (from meter)	100% (from meter)	100% (from meter)
Straight Flush	10% (from meter)	\$12,500 (from meter)	10% (from meter)	\$25,000 (from meter)
Four of a Kind	\$500 (from meter)	\$1,250 (from meter)	\$1,250 (from meter)	\$2,500 (from meter)
Full House	\$100 (from meter)	\$250 (from meter)	\$250 (from meter)	\$500 (from meter)
Flush	\$50 (from meter)	\$125 (from meter)	\$125 (from meter)	\$250 (from meter)
Straight	\$10 (not from meter)	\$25 (not from meter)	\$25 (not from meter)	\$50 (not from meter)
Three of a Kind	\$3 (not from meter)	\$7.50 (not from meter)	\$7.50 (not from meter)	\$15 (not from meter)
Two Pair	\$2 (not from meter)	\$5 (not from meter)	\$5 (not from meter)	\$10 (not from meter)
House Edge	11%	11%	11%	11%
Seed	\$10,000	\$15,000	\$15,000	\$50,000
Hit Frequency	0.77%	0.77%	0.77%	0.77%

Paytable Designator	CSTUD - 13	CSTUD - 14
	PCSC5 (\$5 wager)	(\$1 wager)
OUTCOME	Progressive Paytable	Progressive Paytable
Royal Flush	100% (from meter)	100% (from meter)
Straight Flush	10% (from meter)	10% (from meter)
Four of a Kind	\$2,500 (from meter)	\$200 (not from meter)
Full House	\$500 (from meter)	\$50 (not from meter)
Flush	\$250 (from meter)	\$40 (not from meter)
Straight	\$50 (not from meter)	\$30 (not from meter)
Three of a Kind	\$15 (not from meter)	\$9 (not from meter)
Two Pair	\$10 (not from meter)	
House Edge	11%	23%
Seed	\$50,000	\$10,000
Hit Frequency	0.77%	2.87%

Caribbean Stud Progressive Paytables with Game Manager
Paytable Summary

Paytable Designator	CSTUD - 15		CSTUD - 16	
	Multi Game (\$1 wager)		Multi Game (\$5 wager)	
OUTCOME	Progressive Paytable	Envy	Progressive Paytable	Envy
Royal Flush	100% (from meter)	\$1,000	100% (from meter)	\$5,000
Straight Flush	10% (from meter)	\$300	10% (from meter)	\$1,500
Four of a Kind	\$300 (not from meter)		\$300 (not from meter)	
Full House	\$50 (not from meter)		\$50 (not from meter)	
Flush	\$40 (not from meter)		\$40 (not from meter)	
Straight	\$30 (not from meter)		\$30 (not from meter)	
Three of a Kind	\$9 (not from meter)		\$9 (not from meter)	
Two Pair				
House Edge	21%		21%	
Seed	\$10,000		\$10,000	
Hit Frequency	2.87%		2.87%	





Training Manual

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SHFL entertainment
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Las Vegas, NV 89119

The progressive portion of this game will use either of the approved SHFL entertainment owned progressive systems containing the following components and their compatible software versions:

- *Game Manager v6.6 Build 520 or higher, Aquarius Controller v6.5.6SP, Coin Spot v6.0 and the progressive displays can be either CHAM2+ v1.66P\$ or ViPS v1.2.0 or higher;*
or
- *This game will use the approved SHFL entertainment owned progressive system containing the following components and their compatible software versions: Nexus Command Game Manager v1.3.0 or higher, Nexus Command Table Controller Software v2.0.0 and ViPS display.*

Operators cannot allow wagering limits to exceed the authorized limits set out in WAC 230-15-040 and WAC 230-15-140.

Overview of the Rules

Caribbean Stud Bonus is an optional bonus wager for Caribbean Stud Poker. It considers the five card player hand. If that hand contains a pair of tens or better, the player wins. Hands are ranked as follows:

ROYAL FLUSH
STRAIGHT FLUSH
FOUR OF A KIND
FULL HOUSE
FLUSH
STRAIGHT
THREE OF A KIND
TWO PAIR
PAIR OF 10'S OR BETTER

If the player has any other hand, the Caribbean Stud Bonus wager bet loses.

Dealing Procedures

Casinos should follow standard dealing procedures for Caribbean Stud. The Caribbean Stud Bonus bet is handled in this manner.

1. Players must make the wager before seeing their cards. The bonus wager is subject to different table limits than the base game of Caribbean Stud.
2. Caribbean Stud Bonus considers the five cards the player receives.
3. The Player plays the Caribbean Stud game as usual. The Caribbean Stud Bonus bet is resolved after the call and ante wagers and before the progressive bet is resolved.
4. Caribbean Stud Bonus is resolved when all cards are revealed.
5. The dealer then resumes game play of Caribbean Stud.



BONUS PAYTABLES

Hand	CPSB-01	CPSB-02	CPSB-03
Royal flush	1,000 to 1	1,000 to 1	1,000 to 1
Straight flush	200 to 1	200 to 1	200 to 1
Four of a kind	100 to 1	100 to 1	100 to 1
Full house	50 to 1	50 to 1	50 to 1
Flush	40 to 1	40 to 1	40 to 1
Straight	25 to 1	25 to 1	20 to 1
Three of a kind	7 to 1	6 to 1	6 to 1
Two pair	3 to 1	3 to 1	3 to 1
10s or better	1 to 1	1 to 1	1 to 1
House edge:	3.1%	5.2%	7.2%
Hit frequency:	23.9%	23.9%	23.9%



BARBEEBAST STUD BONUS

CALL WAGER VOID UNLESS DEALER HAS ACE/KING OR BETTER

BONUS

RAISE 2X ANTE

ANTE

BONUS PAYOUTS

Hand	Payout
4 Aces	1000
4 Kings	1000
4 Queens	1000
4 Jacks	1000
4 Tens	1000
4 Nines	1000
4 Eights	1000
4 Sevens	1000
4 Sixes	1000
4 Fives	1000
4 Fours	1000
4 Threes	1000
4 Twos	1000
4 Aces	1000
4 Kings	1000
4 Queens	1000
4 Jacks	1000
4 Tens	1000
4 Nines	1000
4 Eights	1000
4 Sevens	1000
4 Sixes	1000
4 Fives	1000
4 Fours	1000
4 Threes	1000
4 Twos	1000

RAISE PAYOUTS

Hand	Payout
4 Aces	1000
4 Kings	1000
4 Queens	1000
4 Jacks	1000
4 Tens	1000
4 Nines	1000
4 Eights	1000
4 Sevens	1000
4 Sixes	1000
4 Fives	1000
4 Fours	1000
4 Threes	1000
4 Twos	1000

BONUS

RAISE 2X ANTE

ANTE

BONUS PAYOUTS

Hand	Payout
4 Aces	1000
4 Kings	1000
4 Queens	1000
4 Jacks	1000
4 Tens	1000
4 Nines	1000
4 Eights	1000
4 Sevens	1000
4 Sixes	1000
4 Fives	1000
4 Fours	1000
4 Threes	1000
4 Twos	1000
4 Aces	1000
4 Kings	1000
4 Queens	1000
4 Jacks	1000
4 Tens	1000
4 Nines	1000
4 Eights	1000
4 Sevens	1000
4 Sixes	1000
4 Fives	1000
4 Fours	1000
4 Threes	1000
4 Twos	1000

RAISE PAYOUTS

Hand	Payout
4 Aces	1000
4 Kings	1000
4 Queens	1000
4 Jacks	1000
4 Tens	1000
4 Nines	1000
4 Eights	1000
4 Sevens	1000
4 Sixes	1000
4 Fives	1000
4 Fours	1000
4 Threes	1000
4 Twos	1000