



STATE OF WASHINGTON  
GAMBLING COMMISSION

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

March 10, 2015

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

RE: Royal Match 21

Dear Ms. Kimball,

Thank you for requesting approval for changes to the Royal Match 21 card game for play in Washington State commercial card rooms and Tribal casinos.

The following Royal Match 21 optional wagers are approved:

- Royal Match
- Royal Match Progressive
- Blazing 7's Progressive

The optional wagers listed above cannot be linked with any other progressive game or linked to any other card game.

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

**Commercial Card Rooms**

- The game shall be played and operated under the terms and conditions set forth under the "Royal Match 21 – Rules of Play" you provided, which are enclosed.
- Commercial card room operators seeking to operate this game must first submit their internal controls and receive approval from the Commission prior to implementing.
- 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**

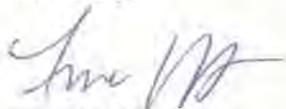
- The game shall be played and operated under the terms and conditions set forth under the "Royal Match 21 – Rules of Play" you provided and which are enclosed.
- Each Tribal Gaming Operation must request and obtain approval from their respective Tribal Gaming Agencies (TGA).
- Before TGA allows your 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.

Please be advised that the Financial Investigations Unit is currently reviewing your game application for any new substantial interest holders, as defined by WAC 230-03-045, related to this game and may be contacting you.

Furthermore, any modifications to this game may affect this approval. Contact the Commission should you contemplate modifications. 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

Enclosures

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



**Royal Match is a standard house-banked blackjack game but with an optional wager. All rules pertaining to standard blackjack as posted on the WSGC's website remain the same and not altered in this game.**

Royal Match can also offer one of two optional progressive wagers - Royal Match Progressive or Blazing 7's Progressive.

## RULES OF PLAY

1. Royal Match is an optional bonus bet for blackjack.
2. Royal Match considers the first two cards the player receives. If they are the same suit, the player wins. A sample payable is below. Several others are available.

RM-04	Pays
Royal Match (King-Queen suited)	25 to 1
Two Suited Cards	2.5 to 1
Crown Treasure* (optional)	\$1,000

\*Crown Treasure = player and dealer Royal Match

3. To begin each round, players must make their standard blackjack wagers and, if they like, the Royal Match wager.
4. The dealer then follows house procedures for blackjack
5. Once players have two cards, the dealer settles Royal Match wagers. If players have two suited cards, they win according to the payable. If their first two cards are not suited, players lose their Royal Match wager.

# ROYAL MATCH PAYTABLES

Paytable 1	Pays
Royal Match	10 to 1
Two Suited Cards	3 to 1
Crown Treasure (optional)	\$1,000
House advantage	3.03%

RM-01 and RM-02 are designed for single deck

Paytable 2	Pays
Royal Match	5 to 1
Two Suited Cards	3 to 1
Crown Treasure (optional)	\$1,000
House advantage	4.54%

RM-01 and RM-02 are designed for single deck

Paytable 3	Pays
Royal Match	30 to 1
Two Suited Cards	2.5 to 1
Crown Treasure (optional)	\$1,000
House advantage	5.18%

RM-03, 04, 05 designed for multi deck

Paytable 4	Pays
Royal Match	25 to 1
Two Suited Cards	2.5 to 1
Crown Treasure (optional)	\$1,000
House advantage	6.67%

RM-03, 04, 05 designed for multi deck

Paytable 5	Pays
Royal Match	50 to 1
Two Suited Cards	2 to 1
Crown Treasure (optional)	\$1,000
House advantage	11.48%

RM-03, 04, 05 designed for multi deck

Paytable 7	Pays	Envy
Crown Treasure	\$5,000	\$250
Royal Match	30 to 1	\$10
Suited Blackjack	9 to 1	
Two Suited Cards	1.5 to 1	
House advantage	12.84%	

Player must wager at least \$5 to qualify for Envy Bonuses

Paytable 8	Pays
Royal Match	25 to 1
Suited Blackjack	5 to 1
Two Suited Cards	2.5 to 1
Crown Treasure (optional)	\$1,000
House advantage	3.70%

RM-08 designed for multi deck

Paytable 9	Pays
Royal Match	30 to 1
Suited Pair	9 to 1
Two Card Straight Flush	5 to 1
Two Suited Cards	1.5 to 1
Crown Treasure (optional)	\$1,000
House advantage	5.12%

RM-09 designed for 6 deck

Paytable 10	Pays
Matching Royal Matches	CAR
Royal Match	40 to 1
Two Card Straight Flush	4 to 1
Two Suited Cards	1 to 1
House advantage (\$1 wager)	22.34%

RM-10 designed for 6 deck

Paytable 11	Pays
Royal Match	75 to 1
Two Suited Cards	2 to 1
House advantage (6 Deck)	4.06%

RM-11 designed for 1, 2, 4, 5, 6, 8 decks



ShuffleMaster  
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MADE IN CHINA

**BLACKJACK PAYS 3 TO 2**  
Dealer must hit soft 17

**INSURANCE**

**2 PAYS 2 TO 1**

**2 TO 1**



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shufflemaster.com

shufflemaster.com

shufflemaster.com

shufflemaster.com

shufflemaster.com



**Royal Match Progressive is a standard house-banked blackjack game but with an optional progressive wager. All rules pertaining to standard blackjack as posted on WSGC's website remain the same and are not altered in this game.**

## **RULES OF PLAY:**

1. Royal Match Progressive is an optional \$1 progressive bet.
2. All percentage pays consider both the player's first two cards, and dealer's first two cards. Other pays consider the player's first two cards only.
3. Paytable:

Outcome	8 Deck	6 Deck	5 Deck	4 Deck	2 Deck
Double Royal Match Suited	100% of the progressive				
Double Royal Match	25% of the progressive				
Royal Match	40 for 1	40 for 1	40 for 1	40 for 1	40 for 1
Suited BJ	14 for 1	14 for 1	14 for 1	14 for 1	14 for 1
2-Card Straight Flush	7 for 1	7 for 1	7 for 1	7 for 1	7 for 1
Seed amount (+2% reserve)	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
House advantage	35%	35%	35%	35%	35%
Hit frequency	4.75%	4.75%	4.75%	4.75%	4.75%
Probability of top payout	588,296	645,465	697,663	789,173	1,724,297
Top payout average	\$40,793	\$42,467	\$43,852	\$46,002	\$57,548

4. 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.
5. To begin each round, players must make their regular game's wager. They may optionally place the progressive wager. Players must place the progressive wagers on the sensor in front of their betting position. The sensor will light up.
6. 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.
7. The dealer then follows house procedures for dealing the regular game.
8. The dealer reconciles standard wagers per normal house procedures. The dealer reconciles all *Suited Hand*, and *Suited Blackjack* and *Royal Match* (when dealer's up card NOT a king or queen) wins at the same time standard wagers are reconciled. All other *Royal Match* (when dealer's up card IS a king or queen) follows the procedure in the next section for reconciling percentage pays from the progressive meter.
9. Progressive winners:
  - a. The percentage pays are paid from the progressive jackpot shown on the progressive meter.
  - b. In the event more than one progressive meter pay hits during the same round, see Appendix A attached for resolution of the progressive hands.
  - c. 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.)
  - d. The dealer shall then contact a supervisor.
  - e. 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.)
  - f. Returning the supervisor key to the "Run" position will restore normal operation of the table, and adjust the meter appropriately for the prize won.
  - g. When the dealer reconciles all action, he presses "Game Over." This resets the system to begin the next hand.
  - h. 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 displays can be either CHAM2+ v1.66P\$ or ViPS v1.2.0 or higher.*

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



**Royal Match Progressive is a standard house-banked blackjack game but with an optional progressive wager. All rules pertaining to standard blackjack as posted on WSGC's website remain the same and are not altered in this game.**

## **RULES OF PLAY:**

1. Royal Match Progressive is an optional \$1 progressive bet.
2. All percentage pays consider both the player's first two cards, and dealer's first two cards. Other pays consider the player's first two cards only.
3. Paytable:

Outcome	8 Deck	6 Deck	5 Deck	4 Deck	2 Deck
Double Royal Match Suited	100% of the progressive				
Double Royal Match	25% of the progressive				
Royal Match	40 for 1	40 for 1	40 for 1	40 for 1	40 for 1
Suited BJ	14 for 1	14 for 1	14 for 1	14 for 1	14 for 1
2-Card Straight Flush	7 for 1	7 for 1	7 for 1	7 for 1	7 for 1
Seed amount (+2% reserve)	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
House advantage	35%	35%	35%	35%	35%
Hit frequency	4.75%	4.75%	4.75%	4.75%	4.75%
Probability of top payout	588,296	645,465	697,663	789,173	1,724,297
Top payout average	\$40,793	\$42,467	\$43,852	\$46,002	\$57,548

4. 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.

5. To begin each round, players must make their regular game's wager. They may optionally place the progressive wager. Players must place the progressive wagers on the sensor in front of their betting position. The sensor will light up.
6. 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 removes all progressive bets on the table.
7. The dealer then follows house procedures for dealing the regular game.
8. The dealer reconciles standard wagers per normal house procedures. The dealer reconciles all *Suited Hand*, and *Suited Blackjack* and *Royal Match* (when dealer's up card NOT a king or queen) wins at the same time standard wagers are reconciled. If the player has a *Royal Match*, and the dealer's up card is either a King or a Queen the progressive wager will be paid when the dealer reveals his hole card. In the event the dealer and player both have a *Royal Match*, the dealer will follow the procedure in the next section for reconciling percentage pays from the progressive meter
9. Progressive winners:
  - a. The percentage pays are paid from the progressive jackpot shown on the progressive meter.
  - b. Note: Fixed pay awards are paid from the tray; they do not come off the meter
  - c. In the event more than one progressive meter pay hits during the same round, see Appendix A attached for resolution of the progressive hands.
  - 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.*

## Appendix A

### **Reconciling Multiple Progressive Meter Wins**

In the event more than one progressive hand, payable from the progressive meter, hits at the same table during the same round, the dealer will first pay the player farthest on his right and then move counter-clockwise to pay other players.

As regulatory procedures permit, this policy can be replaced by casino internal controls.



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 Patent Pending  
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100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**

**BLACKJACK PAYS 3 TO 2**  
**Dealer must hit soft 17**  
**INSURANCE**  
 PAYS 2 TO 1      PAYS 2 TO 1

100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**

100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**

100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**

100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**

100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**

100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**

100%  
 25%  
 40 for 1  
 14 for 1  
 7 for 1  
 Player/Dealer Same Royal Match  
 Player/Dealer Different Royal Match  
 Royal Match  
 Solved Blackjack  
 Two Card Straight Flush  
 \* Royal Match = suited King/Queen

**PAYTABLE**



Royal Match is a proprietary game based on standard house-banked blackjack rules with optional wagers called Royal Match and Blazing 7's Progressive. All rules pertaining to Blackjack as posted on the WSGC's website remain the same and are not altered in this game. This Blazing 7's Progressive cannot be linked to any other progressive game nor linked to any other base game.

### **Rules and Dealing Procedures**

1. Blazing 7's Progressive is an optional \$1 progressive bonus wager.
2. Players must make a standard blackjack bet in order to make the optional wagers.
3. The Blazing 7's Progressive considers the player's hand ONLY, and is based on the paytable listed below. If the player does not have at least a 7 in their hand, the progressive bet will lose.
4. To begin each round, players must make their standard blackjack wager. They may also place an optional progressive wager. Players must place the progressive wagers on the sensor in front of their betting position. The sensor will light up.
5. 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 remove all progressive bets on the table.
6. The dealer will then follow standard dealing procedures for blackjack.
7. The player's Blazing 7's wager will win if the hand contains any 7's in the first two cards (see paytable).
8. If the player has two 7's in the first two cards and hits for a third 7, the player will qualify for one of the Three 7's payouts
  - a. Note – the "Two 7's" payout is based only upon the player's first two cards
9. If a player receives two 7's and chooses to split, the Progressive will be based on the two 7's and the third card dealt to that player.
10. If a player busts, the bust card does NOT count toward his/her Blazing 7's bet.
  - a. The dealer will pick up the player's losing primary wager first, then pay the progressive wager, pick up the cards, and continue dealing.
11. After the dealer has completed his/her hand the dealer will pay and take players hands as follows:
  - a. Working from right to left pay or take the primary wager first
  - b. Pay the progressive wager if applicable

12. Once all bets have been reconciled the dealer will hit "END GAME. "

13. Paying a Progressive Winner:

- 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 winning percentage pays (%), the dealer shall press the appropriate hand button on the keypad.
- e. The dealer will contact a supervisor
  - a. 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.)
  - b. When the dealer reconciles all action, he presses "END GAME." This resets the system to begin the next hand.
  - c. 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 Bally Technologies 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 (or higher) 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.*

## Blazing 7's Progressive

1	
Hand	Pays
Three 7's - Same Suit	100%
Three 7's - Same Color	10%
Three 7's	200 for 1
First Two Cards - 7	25 for 1
Either of the First Two Cards - 7	2 for 1
Hold	24.78%
Hit Frequency	14.82%

2	
Hand	Pays
Three 7's - Diamonds	100%
Three 7's - Suited (Other)	10%
Three 7's - Same Color	500 for 1
Three 7's	200 for 1
First Two Cards - 7	25 for 1
Either of the First Two Cards - 7	2 for 1
Hold	23.59%
Hit Frequency	14.82%



## 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.



**BLACKJACK PAYS 3 TO 2**  
Dealer must hit soft 17

**INSURANCE**

PAYS 2 TO 1

PAYS 2 TO 1

A diagram of a blackjack table layout on a green background. A yellow curved banner at the top contains the text 'BLACKJACK PAYS 3 TO 2', 'Dealer must hit soft 17', and 'INSURANCE'. On either side of the banner, there are two yellow circles representing player positions, each with a red circle above it representing the dealer's position. The text 'PAYS 2 TO 1' is written on the left and right sides of the banner. The Royal Match 21 SHFL logo is placed at each of the four player positions.