

Test Report

Test report No.:
T-J0005-I0133

Date of issue:
2017-12-19

Applicant: Bee-Fee Ltd., 27 Old Gloucester Street, WC1N 3AX London, United Kingdom	Manufacturer: Bee-Fee Ltd., 27 Old Gloucester Street, WC1N 3AX London, United Kingdom
Product: Stunning Snow	Target device: BF Games
Product type: Internet games (reels)	Target device type: Internet gaming system
Jurisdiction: United Kingdom	
Test Criteria: Remote gambling and software technical standards June 2017.	
Pages (with annexes): 12	Verdict (subject to conditions in Chapter 1): Pass
Test report type: Game	Subject file No.: 17000588001
Test group(s): Payback, Software	
Remarks: N.A.	

Project responsible person [signature]:

Reviewed by [signature]:

Gregor Zakrajšek

Franci Pikl



1 Conditions and settings for compliance with test criteria

Testing performed with English language setting.

Game texts are stored in file **allJSON.json**; this file shall include the following section:

"ss_rules_about": "Stunning Snow is a 5-reel, 3-row and fixed 20-line video slot. Your aim is to land as many identical symbols as possible along a win line. Winning combinations start on the first reel on the left (excluding the SCATTER Symbol) and run along an active win line to the last reel on the right. Only the highest winning combination is paid per line. SCATTER combinations are paid in addition to line combinations."

"ss_rules_scatter_symbol": "The SCATTER symbol in Stunning Snow game is a STAR symbol. SCATTER symbols can appear on all reels. On each reel on the screen can be seen only one SCATTER symbol. 3 or more SCATTER symbols on the screen form winning combination"

To comply with RTS 8 Auto-play functionality, server configuration (available in adminui) shall include the following setting:

"autoplaySpinCountLimits": [10, 20, 30, 40], //number of autospins

To comply with RTS 13B Reality checks functionality, server configuration (available in adminui) shall include the following setting:

"realityChecks": [{"caption": "RealityCheck", "interval": 600, "isDefault": true}]

2 Protection against unauthorized access

See the corresponding platform test report(s).

3 Gaming device general properties

General device design:	Server, Linux, MongoDB
Cabinet(s):	N.A.
Available player denominations:	N.A.
Available tokenizations:	N.A.
Supported communication protocols:	N.A.
Supported progressives:	N.A.
Minimum bet (credits):	1 (per line)
Maximum bet (credits):	20 (per line)



4 Annexes

Annex / Test group	Attached [yes/no]	Remark
Functional tests	No	/
Randomness tests	No	/
Payback ratio tests	Yes	/
Software analysis	Yes	/
Device specific tests	No	/
Other annexes	No	/

5 Previous / transferred test reports results

N.A.

6 Additional information

The following RTS articles from Remote gambling and software technical standards, June 2017 were reviewed during testing and found compliant:

- RTS 1 Requirements 1A (before April 1, 2018), 1A (after April 1, 2018), 1B (before April 1, 2018), 1B (after April 1, 2018), 1C (after April 1, 2018): **Not applicable (IGS requirements)**
- RTS 2 Requirements 2A (before April 1, 2018), 2A (after April 1, 2018), 2B (before April 1, 2018), 2B (after April 1, 2018), 2C (after April 1, 2018), 2D: **Game compliant where applicable, see also IGS and RGS tests**
- RTS 3 Requirements 3A, 3C, 3D: **Game compliant where applicable (No virtual events)**
- RTS 4 Requirements 4A, 4B: **Game complies (No influence for time-critical events)**
- RTS 5 Requirement 5A: **Game complies**
- RTS 6 Requirement 6A: **Game complies**
- RTS 7 Requirements 7A, 7B, 7C, 7D, 7E: **Game compliant where applicable (see also RGS tests)**
- RTS 8 Requirement 8A: **Game complies**
- RTS 9 Requirements 9A, 9B: **Not applicable (No progressives configured during testing)**
- RTS 10 Requirements 10A, 10B, 10C: **Not applicable (No peer-to-peer betting; Stateless game)**
- RTS 11 Requirements 11A (before October 1, 2018), 11A (after October 1, 2018), 11B (before April 1, 2018), 11B (after April 1, 2018): **Not applicable (No peer-to-peer betting)**
- RTS 12 Requirements 12A (before April 1, 2018), 12A (after April 1, 2018), 12B: RTS 8 Requirement 8A: **Not applicable (not game related)**
- RTS 13 Requirements 13A, 13B: **Game complies**
- RTS 14 Requirement 14A: **Game complies**
- RTS 15 Requirement 15A: **Not applicable (classic internet reel game)**
- RTS 16 Requirements 16A, 16B (after October 1, 2018), 16C: **Not applicable (no peer-to-peer)**
- RTS 17 Requirement 17A: **Not applicable (no live dealer studios)**



7 Documentation references

The following documentation was used:

- User help,
- Screen capture images,
- Par sheets, Game description,
- Source code and configuration files.

8 Other test report references

Test group	Laboratory	Test report identification and date	Remarks
Functional tests	SIQ	T-J0005-I0098, 2017-12-01	BF Gameserver (with extensions)
Software analysis	SIQ	T-J0005-I0098, 2017-12-01	BF Gameserver (with extensions)
Randomness tests	SIQ	T-J0005-I0098, 2017-12-01	BF Gameserver (with extensions)

Test report replacements and extensions may apply.

1 Description of the game

Game parameters

The game type: Video Reel

The number of reels: 5

The number of lines: 20

The forming of line wins: left to right only, beginning from leftmost reel.

The forming of scatter wins: any place on the screen

Symbols

- CHERRY
- MELON
- LEMON
- PLUM
- ORANGE
- BERRY
- SEVEN
- SCATTER – Star

Scatter Symbol

SCATTER symbols appear on all five reels.

3 or more SCATTER symbols on the screen form winning combination.

When all reels are stopped, on each reel on the screen can be seen only one SCATTER symbol.

2 Pay-glass / artwork illustrations or photos



GAME RULES

Stunning Snow is a 5-reel, 3-row and fixed 20-line video slot.
Your aim is to land as many identical symbols as possible along a win line. Winning combinations start on the first reel on the left (excluding the SCATTER Symbol) and run along an active win line to the last reel on the right.

Only the highest winning combination is paid per line.
SCATTER combinations are paid in addition to line combinations.
Game RTP is 96.01%, gamble winrate is 50%

SCATTER SYMBOL



The SCATTER symbol in Stunning Snow game is a STAR symbol. SCATTER symbols can appear on all reels. On each reel on the screen can be seen only one SCATTER symbol. 3 or more SCATTER symbols on the screen form winning combination.

GAMBLE



To gamble any win press GAMBLE button and select RED or BLACK. If your choice is correct the gamble amount is doubled (x2). If your choice is not correct the gamble amount is lost.



3 Payback ratio

3.1 Payback ratio determination method

The payback ratio value (return to player) was derived using simulation.

3.2 Payback ratio results

Stunning Snow	
Declared by manufacturer	Verified by test laboratory
96,01%	96,02%

4 Test summary

The following tests for the game were performed:

- Calculation of the payback ratio,
- Conditions and settings for compliance with test criteria,
- Verification of the information to the player.



1 Software identification

Software version(s): 1.0

Software components:

Manufacturer, product ID	Description, function	Media, type	Position, circuit	Size	ID code (SHA1)	ID code (MD5)
Bee-Fee, libstunninghot20deluxe.so	Game library	HDD / SSD	lib\plugins\	170,32 KB	b51557dbc05566 60dbea2bb74b6b fae405b7a4ee	e8d8ebea22bb 65838e2b9767 525c0882
Bee-Fee, base_config.json	Game graphics file	HDD / SSD	games\ss\	9,47 KB	66ffbd98040175 271cb0bab8fd2e 38daf2fb0673	b63319ff79fd b068a23b1fca 50123bfd
Bee-Fee, ss_animations_0.json	Graphics configuration file	HDD / SSD	games\ss\imag es\common\	1,24 KB	2535f4b408ca35 c41218b9787d98 6275c9d87ad7	1b31083a73f2 57d811ca5502 71d90604
Bee-Fee, ss_animations_0.png _main.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	1 KB	a1e7367d931763 35edf60a04822f 1ff189e70266	0a0273e0a54e 877cfd55df64 69be3983
Bee-Fee, ss_animations_0.png _mask.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	2,87 KB	12a59e31a6bff9 00d6ff34a3aeb1 4560ecbc0c93	be706ef1f33d 328c30a93a9f 35fc7b47
Bee-Fee, ss_common.json	Graphics configuration file	HDD / SSD	games\ss\imag es\common\	5,66 KB	eb6a118f00ace8 0dc67df176dde7 bc8d80dc579e	992be107002f 6705de5c6c5b ffa4041b
Bee-Fee, ss_common.png_mai n.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	305,67 KB	2c5ba2230a18fd 75c19c3a2b264f 7eac15320dda	b55e2b2f370c 68c5c89c937e fc520219
Bee-Fee, ss_common.png_ma sk.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	101,5 KB	fe74f0ad42a211 cade3c2a9e7154 cb433885ed42	d55a9b9043a1 0238a6284484 25844f76
Bee-Fee, ss_symbols_0.json	Graphics configuration file	HDD / SSD	games\ss\imag es\common\	124,98 KB	af9652b6238a35 b8d3e3f0175b98 8d494fa297eb	14e2be5d91bb b173c1c8375d 59ddefb0
Bee-Fee, ss_symbols_0.png_ main.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	2,22 MB	28f4e220cbd741 2a7e342a59a779 1b833c9f34bd	b3cbcc0d49b8 a82cc8b1e667 4bfded99
Bee-Fee, ss_symbols_0.png_ mask.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	1 MB	977a48c57f97c6 ed81ca1e3056ce 048ed03c959b	26bf1a71f7bd f820a413ca61 03c3243f
Bee-Fee, ss_symbols_1.json	Graphics configuration file	HDD / SSD	games\ss\imag es\common\	36,48 KB	ab1b39f7fef168 ab8941b0cde0ec f6fa46ce6272	da7679080181 f20a71ffd745 ac6a5dcb



Manufacturer, product ID	Description, function	Media, type	Position, circuit	Size	ID code (SHA1)	ID code (MD5)
Bee-Fee, ss_symbols_1.png_ main.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	678,5 KB	11a15df68c7018 71103c727a3743 31e7a5f19436	b9d5bc68d450 b751dbd5532f 8fbd5b2b
Bee-Fee, ss_symbols_1.png_ mask.jpg	Game graphics file	HDD / SSD	games\ss\imag es\common\	253,83 KB	16b1dda4fff571 fd9c5c66bd3336 0f13a14e2edd	1f03302b0732 5435b67813c8 9bc7a313
Bee-Fee, ss_dashboard.json	Graphics configuration file	HDD / SSD	games\ss\imag es\web\	14,82 KB	be48753f8bb493 92047de0873217 f8adc0b1b899	6fd192e9d55c c28779906bbe d5e2f7e7
Bee-Fee, ss_dashboard.png_m ain.jpg	Game graphics file	HDD / SSD	games\ss\imag es\web\	55,49 KB	fd3c0dd8edde89 a6fd25841bc79a b6635eeaf1d5	2ce02358d0fc 8aa6380c4d4f d2964dac
Bee-Fee, ss_dashboard.png_m ask.jpg	Game graphics file	HDD / SSD	games\ss\imag es\web\	70,34 KB	2584cb61cbc5cb f4194ef01a2c38 b8cbe09c2a07	b5022ca4b162 70c1c6458931 9a94d359
Bee-Fee, ss_logo.png	Game graphics file	HDD / SSD	games\ss\imag es\web\	140,74 KB	f55e33657ac8e0 6a16758b1577b6 99d99b6856f0	a737d8353193 607a1e8a487a db6c9b0f
Bee-Fee, ss_paytable_web_en .png	Game graphics file	HDD / SSD	games\ss\imag es\web\	1,12 MB	ac835a1dfeec4e 78f5ec5c0ee335 7156b4b82501	4cea7d56e82e b0f0facd6a26 9b482e77
Bee-Fee, ss_rules_web.json	Graphics configuration file	HDD / SSD	games\ss\imag es\web\	1,68 KB	5a5b56484624dd 642e7b4822136e 7a59dfc5ab85	b80b107f2549 b3cba461c2ec a6ae7444
Bee-Fee, ss_rules_web.png_m ain.jpg	Game graphics file	HDD / SSD	games\ss\imag es\web\	286,68 KB	090684f458b619 54137e390cff16 ccde937f7e42	96b53bfcfde3 a0be3394f6e6 6b62aeb4
Bee-Fee, ss_rules_web.png_m ask.jpg	Game graphics file	HDD / SSD	games\ss\imag es\web\	37,17 KB	cdea9cb32fa517 f8439551abbf57 0bd47603791f	3a60beddf439 b50dd7586e62 ecafef9c
Bee-Fee, ss_web.json	Graphics configuration file	HDD / SSD	games\ss\imag es\web\	1,24 KB	043edd168432cf fece5ae3588e50 d880fb9e475f	851d0778cb1c ccec02e9c456 dca47cb4
Bee-Fee, ss_web.png_main.jp g	Game graphics file	HDD / SSD	games\ss\imag es\web\	367,24 KB	2bac848a224084 4630ed3d6a23ce ca691d95794e	b9e20915b4e5 eb3dc85f7456 d140aa91
Bee-Fee, ss_web.png_mask.jp g	Game graphics file	HDD / SSD	games\ss\imag es\web\	28,32 KB	1c605b3bf67f4c d362593e5abac8 9bf6ba0c867f	8282bc126b02 4de13d244456 dc7b3f42



2 Test summary

Software analysis for the game was performed:

- Source code analysis:
 - o Jurisdiction independent tests: software review.
 - o Jurisdiction dependent tests.
- Binary code authentication.
- Archiving and depositing.