ECOGRA LIMITED

TESTING AND INSPECTION REPORT
RANDOM NUMBER GENERATOR

FOR

MAVERICK ELYSIUM

REPORT REFERENCE NUMBER: **e22744MTLSWE**

REPORT ISSUE DATE: **09 FEBRUARY 2022**

CONFIDENTIAL

IMPORTANT DISCLAIMER

This report is supplied on the basis that it is for the sole use of the parties listed and to whom it is addressed, and exclusively for the objectives set out herein.

No party, other than those specified, may rely on this report for any purpose whatsoever.

eCOGRA Limited ('eCOGRA') does not accept any liability or responsibility towards any third party to whom this report is shown or into whose hands it may fall.

This report should not be relied upon for any assurances in relation to third parties and/or activities which are not covered by the certifiable regulatory requirements or compliance standards of the jurisdiction, regulatory authority or compliance entity or system for whose purposes this report is stated to have been prepared. All such other parties and activities are outside the scope of this report and have therefore not been reviewed by eCOGRA.

The nature, timing and extent of testing conducted for the purpose of the certification is considered sufficient and appropriate based on the applicable certifiable regulations and professional judgement applied to the associated risk of non-compliance. The certification of compliance should not be construed to imply any warranty over the functionality, quality or performance of the subject of certification. eCOGRA reserves the right to withdraw this certificate if any non-compliances are subsequently detected by or reported to eCOGRA.

CONFIDENTIALITY NOTICE

This document is proprietary to eCOGRA and contains confidential information of commercial value to eCOGRA, the disclosure of which to third parties could adversely affect the business affairs of eCOGRA.

This information is supplied in confidence to you, on the strict condition that no part of it is disclosed to any third party, in particular to any person or organisation that may be in competition with eCOGRA without the prior written approval of eCOGRA.

Table of Contents

Table of Contents 3
Section 1. Introduction 4
Section 2. General Information 4
Section 3. Testing and Inspection Work – Qualifications and Experience 6
3.1. Testing and Inspection Supervisors 6
3.2. Testing and Inspection Assessors 6
Section 4. Software Details 7
Section 5. Assessment results 8
Schedule 1. RNG Testing 11
1. Tests Performed 11
2. Test Results 12

SECTION 1. INTRODUCTION

Maverick ELYSIUM requested eCOGRA to evaluate the Random Number Generator (RNG) to be utilised for the offering of online gambling products against the relevant regulatory requirements for the jurisdiction as listed below. The Random Number Generator used for the gambling applications is softwareSoftware based.

SECTION 2. GENERAL INFORMATION

CLIENT NAME:	Maverick ELYSIUM
CLIENT ADDRESS:	ELYSIUM Studios Maverick Technology Limited The Cube Building LS3, Malta Life Sciences Park San Gwann SGN 3000 Malta
CLIENT CONTACT PERSON:	Sergio Jacob
CLIENT E-MAIL ADDRESS:	sergio@elysiumstudios.se
CLIENT TELEPHONE NUMBER/SKYPE:	+46 (0)704 828 818
PRODUCT NAME:	Random Number Generator (RNG)
SUPPLIER:	Maverick ELYSIUM
PRODUCT DESCRIPTION:	The Random Number Generator is software based, developed in-house and written in the language Go.The Random Number Generator is software based, developed in-house and written in the language Go.
PRODUCT VERSION:	2.02.0
RNG TYPE:	Software Software
JURISDICTION:	Sweden
ASSESSMENT STANDARDS AND CRITERIA:	Relevant assessable requirements contained in 2018:1138 Gambling Act; 2018:1475 Gambling Regulations and LIFS 2018-8 Regulations and general advice on technical requirements and accreditation of bodies for anyone who is to check, test and certify gaming activities.
ACCREDITED BODY FULL NAME:	eCOGRA Limited
ACCREDITED BODY LEGAL FORM:	Private Company
ACCREDITED BODY MANAGING ADDRESS:	2nd Floor Berkeley Square House, Berkeley Square, London, W1J 6BD, United Kingdom
ACCREDITED BODY ACCREDITATIONS HELD:	An Accredited Testing Laboratory No. 4656. ISO/IEC 17025:2017, Issued by The United Kingdom Accreditation Service (Issue No: 026, Issue Date: 14 February 2022). An Accredited Inspection Body No. 4656. ISO/IEC 17020:2012, Issued by The United Kingdom Accreditation Service (Issue: 010, Issue Date: 31 January 2022).

	An Accredited Certification Body No. 4656. ISO/IEC 17021-1:2015, Issued by The United Kingdom Accreditation Service (Issue: 007, Issue Date: 09 August 2021). An Accredited Certification Body no 4656. ISO/IEC 17065:2012, Issued By The United Kingdom Accreditation Service (Issue: 007, Issue Date: 31 January 2022).
ACCREDITED BODY EXPERIENCE:	19 years' testing and inspection of Online Gambling Systems; 6 years' auditing and certifying Information Security Management Systems; 7 years' of Risk and Vulnerability analyses.
ACCREDITED BODY REPRESENTATIVE:	Ansonette Rees
ACCREDITED BODY CONTACT EMAIL:	info@ecogra.org
ACCREDITED BODY CONTACT NUMBER:	Tel: +44 20 7887 1480
DATE OF TESTING AND INSPECTION:	09 December 2019 - 18 December 2019
PLACE OF TESTING:	The Accredited Body's premises.
REPORT TYPE:	Testing and Inspection Report
REPORT REFERENCE NUMBER:	e22744MTLSWE
REPORT ISSUE DATE:	09 February 2022
ASSESSMENT RESULT:	Compliant
ACCREDITED BODY REPORT APPROVAL:	

Gary Lupton-Smith
Technical Services Manager, eCOGRA

Section 3. Testing and Inspection Work – Qualifications and Experience

3.1. Testing and Inspection Supervisors

Name:	Gary Lupton-Smith
Education/Qualification:	Bachelor of Commerce
Date Obtained:	1991
Other Relevant Qualifications:	Certified Information Systems Auditor (CISA)
Date Obtained:	2000
Number of Years' Experience in Testing and Inspection of Online Gaming Systems:	14 years

Name:	Temesgen Zewotir
Education/Qualification:	PhD in Statistics
Date Obtained:	2001
Other Relevant Qualifications:	MSc in Statistics, BSc in Mathematics
Date Obtained:	1991, 1987
Number of Years' Experience in Testing and Inspection of Online Gaming Systems:	From 2016 to date

3.2. Testing and Inspection Assessors

Name:	Pooveshan Gounden
Position:	Technical Lead
Name:	Janine Odayan
Position:	Senior Data Analyst
Name:	Sphamandla Langa
Position:	Analytical Specialist
Name:	Sikhumbuso Mzobe
Position:	Data Analyst

Section 4. Software Details

The scope of the RNG evaluation and certification applies solely to the files, file versions and associated hashes provided in the tables below:

File Name	Version	Digital Signature (SHA1 Hash)
mt19937.go	2.0	e9439549da6c39e228dc6573544b7b827e619261

SECTION 5. ASSESSMENT RESULTS

Testing and inspection procedures were performed against certifiable sections of the following laws and regulations of Spelinspektionen, as applicable to the components relevant to the products within scope:

- Spellag (SFS2018:1138)
- Spelförordning (SFS2018:1475)
- Tekniska föreskrifter och allmänna råd om ackreditering av organ för den som ska kontrollera, prova och certifiera spelverksamhet (LIFS 2018:8)

Different values used in the "Assessment Result" column is described as follows:

- **Compliant**: The components within the assessment scope conform to the assessment standards and criteria.
- **Not Applicable**: The requirement is not applicable for the assessment of conformance. Refer to comments for further information.
- **Out of Scope**: The requirement for the assessment of conformance cannot be evaluated at this stage due to the current scope of testing/inspection or limitation of the test/inspection environment. Refer to comments for further information.
- **Compliant with Observation**: The components within the assessment scope conform to the assessment standards and criteria with certain limitations or an area of moderate risk of potential non-compliance identified. Refer to comments for further information.

SFS 2018:8 Regulations and general advice on technical requirements and accreditation of bodies for inspection, testing and certification of gambling service providers			
Requirement No.	**Requirement Assessed**	**Assessment Result**	**Comments**
13	**Functional requirements for random number generators**		
13.1	The results from a random number generator must be random, statistically independent, have a correct standard deviation and correct probability distribution. The results yielded by the random number generator must not be predictable without knowledge of the applied algorithm, implementation and initial values.	Compliant	
13.2	There must be a documented reference to a well-established algorithm and any source code as well as to the recalculation procedure of the random number generator. If the random number generator is built into the software, it must be possible to present the entire source code, along with comments and documentation.	Compliant	
13.3	The random number generator must be able to withstand the set maximum load.	Compliant	
13.4	Functions that do not generate outcomes in games but which depend on random elements must be based on the results of the random number generator.	Compliant	
13.5	Calculations based on a random number generator must have a correct standard deviation and correct probability distribution. The numbers, symbols or events resulting from the random number generator must correspond with the rules set for the game involved.	Compliant	The compliance assessment is based on a limited scope of testing which includes the assessment of the RNG as a standalone component without integration with any games. Further testing may be required in individual game assessments to validate full compliance of this requirement for each applicable game.
13.6	The calculations of the random number generator must correspond to the events registered in the gambling system.	Compliant	

13.7	If the rules of the game requires a sequence from a random number generator to be set in advance, it is only allowed to generate new sequences if this is stated in the rules.	Compliant	The compliance assessment is based on a limited scope of testing which includes the assessment of the RNG as a standalone component without integration with any games. Further testing may be required in individual game assessments to validate full compliance of this requirement for each applicable game.
13.8	Unless otherwise specified in the rules of the game, the results from a random number generate must always be independent of events in the current or previous games.	Compliant	The compliance assessment is based on a limited scope of testing which includes the assessment of the RNG as a standalone component without integration with any games. Further testing may be required in individual game assessments to validate full compliance of this requirement for each applicable game.
Drawing equipment without a random number generator			
13.9	The results from drawing equipment without a random number generator must be random, statistically independent, have a correct standard deviation and correct probability distribution.	Not Applicable	Drawing equipment not in scope of the review.
13.10	Independent drawing equipment without a random number generator must be kept locked in with limited access.	Not Applicable	Drawing equipment not in scope of the review.
Drawing equipment live casino games			
13.11	Drawing equipment used in live casino games must be monitored and recorded. The recorded material must show compliance with the rules of the game. The recording must register date and time.	Not Applicable	Live casino games not in scope of the review.
13.12	There must be physical access control for the premises used for live casino games and any associated areas. There must separate access control, at least for different employee categories.	Not Applicable	Live casino games not in scope of the review.

SCHEDULE 1. RNG TESTING

1. TESTS PERFORMED

An overview of the assessment approach of the Random Number Generator (RNG) is outlined below. We evaluated the RNG to ensure that it meets the relevant certifiable requirements. The scope of the evaluation consisted of an assessment of the following aspects:

Documentation	The RNG documentation is reviewed to allow for understanding the implementation of the RNG in the gaming system. Research is conducted on the RNG algorithm/hardware to ensure that there are no widely known weaknesses within the RNG under review.
Functionality	This involves an understanding of how random numbers received, following a call to the RNG requesting a sequence of random numbers, and how they are used. They must be used in the order in which they are received.
Source Code	The source code is reviewed to ensure that the implementation of the RNG is in accordance with the RNG documentation provided by the client. A walkthrough is conducted to show the nature of calls to the RNG as well as how the results are utilised.
Seeding and Reseeding	This involves gaining an understanding of the norms of initialisation of the RNG, including seeding sources which are verifiable sources of entropy. The seeding and reseeding used should not introduce predictability.
Mapping and Scaling	Any scaling applied to the output of the random number generator maintains uniform distribution over the entire output range. It should be ensured that game event outcomes are distributed in accordance with the expected/theoretical probabilities.
Security of RNG	Understanding the security of generated numbers during transmission between the RNG server and the gaming server.
Monitoring of RNG	Understanding the systems in place to monitor functionality of the RNG during live use, with the purpose of identifying early detection of irregularities in RNG output.
Cryptographic Strength	Review published documentation on the RNG algorithm. Evaluation of the algorithm, period length and seeding/re-seeding characteristics of the RNG and established that it contains features associated with cryptographically strong RNGs to ensure the sequence of random values generated cannot be predicted or reliably reproduced.

Test Suites	The test suite used to perform the evaluation consisted of the following: • Chi-Squared Tests; • Wald-Wolfowitz (or Runs) Tests; • Correlation and Serial Correlation; • Expected probabilities for shuffle decks; and • Diehard Test Suite. Process and analyse six sets of output generated data logs (180 files) consisting of scaled ranges, shuffled decks and hexadecimal values for Diehard Test Suite. Application of numerous mathematical and statistical tests to verify: • the variation in the data is due to random chance; • the results are within the acceptable parameters to demonstrate statistical independence; • the results calculate the correct standard deviations from their expected values; and • the results of the output values are unpredictable.

2. TEST RESULTS

Recognised statistical and mathematical tests were performed to certify the RNG operated in compliance with the requirements and general advice on technical requirements and accreditation of bodies for anyone who is to check, test and certify gaming activities. This included tests for probability (to ensure the expected number of occurrences), randomness (so that one cannot predict the following occurrence with any degree of certainty) and uniformity (to determine that each possible outcome is equally likely over the long-term). The acceptance criteria for the statistical tests are a pass at a 95% confidence level.

1. OUTPUT BASED TESTING ON SCALED RANGES: 0-33, 0-36, 0-51, 0-66, 0-99, 0-500, 0-999

a. OUTPUT BASED TESTING ON SCALED RANGES RESULTS

OUTPUT BASED TESTING				CLIENT GENERATED DATA			eCOGRA GENERATED DATA		
				Sample 1	Sample 2	Sample 3	Sample 1	Sample 2	Sample 3
Test Number	Sample Size	Test Range	DoF	P-value	P-value	P-value	P-value	P-value	P-value
1	3 000 000	0-33	33	0.1930	0.5814	0.7897	0.2247	0.4063	0.7683
2	3 000 000	0-36	36	0.2784	0.5519	0.0633	0.7047	0.3573	0.7377
3	3 000 000	0-51	51	0.1919	0.8526	0.5947	0.7360	0.9888	0.2444
4	3 000 000	0-66	66	0.6924	0.1764	0.9247	0.1583	0.9089	0.1933
5	3 000 000	0-99	99	0.1622	0.5530	0.2302	0.9114	0.5560	0.6465
6	3 000 000	0-500	500	0.1071	0.4073	0.4968	0.2630	0.6482	0.9596
7	3 000 000	0-999	999	0.4136	0.6246	0.1523	0.0621	0.5868	0.9162

b. SCALED DATA RANDOMNESS TEST SUCCESS (✓) OR FAILURE (×) SUMMARY

OUTPUT BASED TESTING				CLIENT GENERATED DATA			eCOGRA GENERATED DATA		
				Sample 1	Sample 2	Sample 3	Sample 1	Sample 2	Sample 3
Test Number	Sample Size	Test Range	DoF	P-value	P-value	P-value	P-value	P-value	P-value
1	3 000 000	0-33	33	✓	✓	✓	✓	✓	✓
2	3 000 000	0-36	36	✓	✓	✓	✓	✓	✓
3	3 000 000	0-51	51	✓	✓	✓	✓	✓	✓
4	3 000 000	0-66	66	✓	✓	✓	✓	✓	✓
5	3 000 000	0-99	99	✓	✓	✓	✓	✓	✓
6	3 000 000	0-500	500	✓	✓	✓	✓	✓	✓
7	3 000 000	0-999	999	✓	✓	✓	✓	✓	✓

2. OUTPUT BASED TESTING ON SHUFFLED DECKS

a. OUTPUT BASED TESTING ON SHUFFLED DECKS RESULTS

OUTPUT BASED TESTING				CLIENT GENERATED DATA			eCOGRA GENERATED DATA		
				Sample 1	Sample 2	Sample 3	Sample 1	Sample 2	Sample 3
Test Number	Sample Size	Test Range	DoF	P-value	P-value	P-value	P-value	P-value	P-value
1	3 000 000	5 Card Hands	8	0.3935	0.9200	0.7580	0.1894	0.3199	0.2006
2	3 000 000	7 Card Hands	9	0.5444	0.5621	0.3709	0.2839	0.7995	0.3510
3	3 000 000	5-7 Card Multiples Combinations	17	0.2715	0.5570	0.3677	0.2416	0.4673	0.5237
4	3 000 000	5-7 Card Suit Combinations	29	0.3611	0.4964	0.6617	0.6478	0.8531	0.2035

b. SHUFFLED DECKS RANDOMNESS TEST SUCCESS (✓) OR FAILURE (×) SUMMARY

OUTPUT BASED TESTING				CLIENT GENERATED DATA			eCOGRA GENERATED DATA		
				Sample 1	Sample 2	Sample 3	Sample 1	Sample 2	Sample 3
Test Number	Sample Size	Test Range	DoF	P-value	P-value	P-value	P-value	P-value	P-value
1	3 000 000	5 Card Hands	8	✓	✓	✓	✓	✓	✓
2	3 000 000	7 Card Hands	9	✓	✓	✓	✓	✓	✓
3	3 000 000	5-7 Card Multiples Combinations	17	✓	✓	✓	✓	✓	✓
4	3 000 000	5-7 Card Suit Combinations	29	✓	✓	✓	✓	✓	✓

3. DIEHARD TESTS

a. DIEHARD TEST RESULTS

DIEHARD TEST		CLIENT GENERATED DATA			eCOGRA GENERATED DATA		
Test Name	**Sample Size**	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 1**	**Sample 2**	**Sample 3**
BIRTHDAY SPACINGS TEST	48 000 000	0.0187	0.0599	0.0839	0.0190	0.1903	0.0474
OVERLAPPING 5-PERMUTATION TEST	48 000 000	0.6668	0.5035	0.3818	0.0021	0.4313	0.0541
THE BITSTREAM TEST	48 000 000	0.0254	0.0059	0.0234	0.1005	0.0027	0.2936
COUNT-THE-1's TEST bytes	48 000 000	0.0548	0.1647	0.0018	0.1003	0.0343	0.1295
MINIMUM DISTANCE TEST	48 000 000	0.8355	0.7244	0.7745	0.9634	0.1344	0.1062
SQEEZE TEST	48 000 000	0.6873	0.6220	0.5815	0.1673	0.1070	0.4920
RUNS TEST	48 000 000	0.1715	0.2711	0.1131	0.2680	0.0515	0.0983
CRAPS TEST	48 000 000	0.0395	0.5465	0.0686	0.4824	0.0402	0.5073

b. DIEHARD TESTS SUCCESS (✓) OR FAILURE (×) SUMMARY

DIEHARD TEST		CLIENT GENERATED DATA			eCOGRA GENERATED DATA		
Test Name	**Sample Size**	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 1**	**Sample 2**	**Sample 3**
BIRTHDAY SPACINGS TEST	48 000 000	✓	✓	✓	✓	✓	✓
OVERLAPPING 5-PERMUTATION TEST	48 000 000	✓	✓	✓	✓	✓	✓
THE BITSTREAM TEST	48 000 000	✓	✓	✓	✓	✓	✓
COUNT-THE-1's TEST bytes	48 000 000	✓	✓	✓	✓	✓	✓
MINIMUM DISTANCE TEST	48 000 000	✓	✓	✓	✓	✓	✓
SQEEZE TEST	48 000 000	✓	✓	✓	✓	✓	✓
RUNS TEST	48 000 000	✓	✓	✓	✓	✓	✓
CRAPS TEST	48 000 000	✓	✓	✓	✓	✓	✓

4. SERIAL CORRELATION TESTS

a. SERIAL CORRELATION TEST RESULTS:

	CLIENT GENERATED DATA					ECOGRA GENERATED DATA				
	DECK 1					DECK 1				
	Col 1	Col 2	Col 3	Col 4	Col 5	Col 1	Col 2	Col 3	Col 4	Col 5
LAG 1	0.3641	0.9919	0.8439	0.8137	0.4379	0.7813	0.1297	0.9770	0.0167	0.7036
LAG 2	0.2901	0.8311	0.9759	0.9402	0.3467	0.7330	0.3023	0.9165	0.0566	0.9236
LAG 3	0.3901	0.9462	0.4888	0.9398	0.3612	0.5819	0.0465	0.7236	0.0862	0.2424
LAG 4	0.3718	0.9166	0.6545	0.9030	0.2395	0.5885	0.0923	0.8220	0.1573	0.3815
LAG 5	0.3380	0.9661	0.7752	0.8558	0.2453	0.7121	0.1472	0.8850	0.2431	0.5202
LAG 6	0.3940	0.9865	0.1747	0.8120	0.2620	0.8159	0.0857	0.9422	0.1983	0.5779
LAG 7	0.4698	0.5836	0.2514	0.8873	0.2938	0.8881	0.0824	0.8447	0.2829	0.6172
LAG 8	0.3357	0.4655	0.3056	0.9310	0.3686	0.9320	0.1087	0.9061	0.0991	0.3584
LAG 9	0.3226	0.5525	0.3943	0.6492	0.4648	0.9628	0.0207	0.6570	0.1384	0.3226
LAG 10	0.4088	0.6464	0.4001	0.4731	0.2813	0.9502	0.0266	0.7369	0.1886	0.4043

b. SERIAL CORRELATION TEST SUCCESS (✓) OR FAILURE (×) SUMMARY

	CLIENT GENERATED DATA					ECOGRA GENERATED DATA				
	DECK 1					DECK 1				
	Col 1	Col 2	Col 3	Col 4	Col 5	Col 1	Col 2	Col 3	Col 4	Col 5
LAG 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

5. CORRELATION TESTS

a. CORRELATION TEST RESULTS: Sample 1

	CLIENT GENERATED DATA							eCOGRA GENERATED DATA						
Range	**0-33**	**0-36**	**0-51**	**0-66**	**0-99**	**0-500**	**0-999**	**0-33**	**0-36**	**0-51**	**0-66**	**0-99**	**0-500**	**0-999**
LAG 1	0.8063	0.2362	0.8835	0.6995	0.0907	0.4027	0.3557	0.6618	0.6681	0.8531	0.8398	0.2913	0.3032	0.0895
LAG 2	0.5283	0.4195	0.9267	0.8623	0.2230	0.6601	0.4248	0.4857	0.1379	0.8268	0.4106	0.4075	0.5567	0.2328
LAG 3	0.3626	0.6203	0.8843	0.6652	0.3415	0.7661	0.2409	0.5872	0.2586	0.4184	0.1608	0.6159	0.6472	0.4011
LAG 4	0.4882	0.7650	0.7578	0.3338	0.3201	0.8769	0.3109	0.7235	0.3472	0.4464	0.1857	0.7669	0.6762	0.5345
LAG 5	0.5515	0.7222	0.8092	0.4528	0.4298	0.9441	0.1901	0.8396	0.4732	0.2113	0.2605	0.8631	0.3242	0.5875
LAG 6	0.6745	0.6424	0.6103	0.4123	0.5005	0.9632	0.2436	0.8699	0.3321	0.2107	0.3686	0.8837	0.3817	0.6234
LAG 7	0.7725	0.7261	0.6696	0.5183	0.5827	0.9702	0.3385	0.8049	0.1384	0.2277	0.2116	0.9317	0.4031	0.3257
LAG 8	0.8072	0.3472	0.7387	0.6068	0.6782	0.6756	0.2652	0.8343	0.0189	0.3026	0.2329	0.9634	0.4432	0.4178
LAG 9	0.8737	0.4060	0.8162	0.6860	0.6714	0.7100	0.2915	0.8831	0.0298	0.3630	0.3113	0.8946	0.3780	0.5164
LAG 10	0.8858	0.3397	0.8475	0.7409	0.6493	0.7821	0.3714	0.9269	0.0081	0.4327	0.3626	0.9188	0.4693	0.4668

b. CORRELATION TEST SUCCESS (✓) OR FAILURE (×) SUMMARY

	CLIENT GENERATED DATA							eCOGRA GENERATED DATA						
Range	**0-33**	**0-36**	**0-51**	**0-66**	**0-99**	**0-500**	**0-999**	**0-33**	**0-36**	**0-51**	**0-66**	**0-99**	**0-500**	**0-999**
LAG 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAG 10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓