PROGRESSIVE SUBMISSION FORM

(Progressive N.J.A.C. 19:45-1.39)
(Proposed Slot Machine Bonusing System)

A. SUBMISSION IDENTIFIER

1) Manufacturer: _____

2) System Name/ID: _____

3) System Version: _____

4) Is the submission for new (prototype), or a modified product(s)?
☐ New ☐ Modified

5) List last approved DGE letter(s) for Modified product(s):

Product ID	DGE #
	MO- _ _ _ -50- _ _ - _ _ _
	MO- _ _ _ -50- _ _ - _ _ _
	MO- _ _ _ -50- _ _ - _ _ _
	MO- _ _ _ -50- _ _ - _ _ _

6) Check the type of progressive system for the submission:

a) Wide Area Progressive ……. ☐

b) Server Based ……. ☐

c) Multi Link Controller …….. ☐

d) Single Link Controller …… ☐

e) Stand Alone Controller ……. ☐

f) Game Based …….. ☐

g) Other (Identify): …….. ☐

Comments (provide attachment pages if needed and list the attachments here):

_____

B. SUBSYSTEMS OF THE SUBMISSION

1) Check the subsystem(s) for this submission as applicable and follow the corresponding appendices:

APPENDIX – A) Server	☐ New	☐ Modified
APPENDIX – B) Configuration Computer	☐ New	☐ Modified
APPENDIX – C) Utility Computer	☐ New	☐ Modified
APPENDIX – D) Master Progressive Controller	☐ New	☐ Modified
APPENDIX – E) Progressive Controller	☐ New	☐ Modified
APPENDIX – F) EGM Interface Card	☐ New	☐ Modified
APPENDIX – G) Protocol Converter Card	☐ New	☐ Modified
APPENDIX – H) Display Controller	☐ New	☐ Modified
APPENDIX – I) Overhead Odometer	☐ New	☐ Modified
APPENDIX – J) In-machine Odometer	☐ New	☐ Modified
APPENDIX – K) EGM Harness(es)	☐ New	☐ Modified
L) Other (identify):	☐ New	☐ Modified

Comments (provide attachment pages if needed and list the attachments here):
_____

2) Check the following that applies for the subsystems identified above and list all items in the corresponding table:

a) Software (TABLE – 1)	☐ New	☐ Modified
b) Hardware (TABLE – 2)	☐ New	☐ Modified

CERTIFICATION

I hereby certify that the information and representation made in this "PROGRESSIVE SUBMISSION FORM" and in the attachments hereto, are true, accurate and complete. I understand that if any of the statements, data, or information contained herein are willfully false, I am subject to punishment. I further understand that if the information contained herein is inaccurate, for any reason, the company is subject to a civil penalty to be imposed by the New Jersey Division of Gaming Enforcement.

Signature _____ Title _____ Date_____

Name (Print) _____

NOTE:
SUBMISSION IS NOT DEEMED COMPLETE UNTIL SOFTWARE, MATERIALS, AND ALL ASSOCIATED EQUIPMENT ARE INSTALLED AT THE DIVISION LAB AND DEMONSTRATED TO OPERATE AS REPORTED.

Date of Demo _____

System Rep _____

DGE Rep _____

C. TESTING OF SUBMITTED PROGRESSIVE SYSTEMS

a) All submissions must contain manufacturer's tested results... ☐ Done

b) The following are guidelines for evaluation of progressive systems:

(1) Ability of the display to communicate with controller using specific protocol.

(2) Progressive odometer incrementing correctly.

(3) Display was verified for its ability to show progressive jackpots at all levels.

(4) The progressive jackpots should be evaluated at low ($50), medium ($99, $999), high ($2,000,000) levels and at $1,199.

(5) For overhead, ability of the system to display and to cycle through three states during pending mystery bonus/progressive jackpot wins as follows:

- State 1: Progressive win amount displayed correctly
- State 2: The Game Machine that won is identified correctly
- State 3: The reset amount is displayed and incrementing correctly
- Progressive win cleared and showing correct up-to-date progression

(6) For in-machine meters/on screen meters, the ability of the system to display the correct amount and freeze, or credit the slot machine correctly meters.

(7) Test of how progressive jackpots are cleared and, e.g., next coin-in will clear jackpot meter.

(8) Test for maximum progressive amount that a EGM can handle and progressive system can display correctly.

(9) Test for maximum progressive amount that a display can handle and what is displayed when the maximum amount is exceeded, note whether the progressive system records the same amount that is displayed.

(10) Test for how each EGM pays out the progressive jackpots and whether there is rounding off of progressive amounts.

(11) The EGM for progressive accounting meters.

(12) Evaluate whether the progressive jackpots for each EGM model are transmitted to monitoring or accounting system, such as Bally's SDS system or ACSC.

(13) The display was verified for its ability to indicate or shut down when progressive communication is lost.

(14) Controller ability to recover from communication losses and from power losses.

(15) The display was verified for its ability to recover correctly from power loss and display the current progressive amounts.

(16) The controller was verified for its ability to recover correctly from power loss and apply correctly to the display the current progressive amounts.

(17) Controller ability to archive all progressive amounts.

APPENDIX – A SERVER

a) **Server subsystem specifics**:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) Server Name/ID: _____

(4) Server Version: _____

(5) Describe Server's operating system and User/ID Password including the type of hierarchy:

_____

_____

_____

(6) Describe the User ID/Password, including levels and type of hierarchy for application and configuration software:

_____

_____

_____

(7) List Server's database top level folder location and executable filenames of applications and configuration programs:

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

(8) List Server's application and configuration software if new, or if the software is submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(9) List Server-based software that simulates other progressive subsystems that are listed (e.g., server, progressive controller, utility computer, progressive display controller):

- Server Software 1:_____, Simulates subsystems _____
- Server Software 2:_____, Simulates subsystems _____
- Server Software 3:_____, Simulates subsystems _____

(10) Complete corresponding subsystem specifics for simulated subsystem(s).

(11) List cross reference of the database fields names, descriptions and data table identifiers with the submission.

(12) Describe the duration and retention of real time and historical data:

_____

_____

_____

(13) Describe how often significant events and polled data of the progressive system is received by the server. Include which progressive subsystem governs the update events to the server:

_____

_____

_____

(14) Describe the backup method that exists for the server. Include whether the backup system can survive server's hard disk crash.

(15) Provide a step-by-step recovery procedure from hard disk crash.

(16) Describe how the time setting at the server affects the time settings on the rest of the progressive systems:

_____

_____

_____

(17) List your company's User ID/Password(s) for server system and applications:

- Manufacturer's System User ID/Password: _____ / _____
- Manufacturer's Software (1) User ID/Password: _____ / _____
- Manufacturer's Software (2) User ID/Password: _____ / _____
- Manufacturer's Software (3) User ID/Password _____ / _____
- Manufacturer's Software (4) User ID/Password _____ / _____
- Any additional Server User ID/Password list here: _____ / _____

APPENDIX – B CONFIGURATION COMPUTER

b) Configuration Computer subsystem specifics:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) Configuration Computer Name/ID: _____

(4) Configuration Computer Version: _____

(5) Describe Configuration Computer operating system and its User/ID Password including the type of hierarchy:

_____

_____

_____

(6) Describe Configuration Computer User ID/Password, including levels and type of hierarchy for application and configuration software:

_____

_____

_____

(7) List Configuration Computer's database top level folder location and executable filenames of applications and configuration programs:

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

(8) List configuration computer's application and configuration software if new, or if the software is submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(9) List configuration computer-based software that simulates other progressive subsystems (e.g., server, progressive controller, utility computer, progressive display controller):

- Software 1: _____ , Simulates subsystems_____
- Software 2: _____ , Simulates subsystems_____
- Software 3: _____ , Simulates subsystems_____

(10) Complete corresponding subsystem specifics in this form for the progressive simulated subsystem(s).

(11) Describe the duration and retention of real time and historical data:

_____

_____

_____

(12) Describe the backup method that exists for the Configuration Computer. Include whether the backup system can survive hard disk crash.

(13) Provide a step-by-step recovery procedure from hard disk crash.

(14) Explain how the latest system, or individual EGM configuration settings, can be backed up to a diskette. Include how the configuration backup from a diskette can be restored to the configuration computer:

_____

_____

(15) Describe how the time setting at the configuration computer affects the time settings on the rest of the progressive systems:

_____

_____

_____

(16) List your company's User ID/Password(s) for configuration computer and applications:

- Manufacturer's System User ID/Password: _____ / _____
- Manufacturer's Software (1) User ID/Password: _____ / _____
- Manufacturer's Software (2) User ID/Password: _____ / _____
- Manufacturer's Software (3) User ID/Password _____ / _____
- Manufacturer's Software (4) User ID/Password _____ / _____
- Any additional Config. Comp. User ID/Password: _____ / _____

(17) List the maximum number of the following items that the configuration computer is able to handle simultaneously:

- Maximum number of progressive controllers: _____
- Maximum number of progressive links per controller: _____
- Maximum number of progressive EGMs per link: _____

(18) Explain whether the configuration computer is required to be connected to the progressive system at all times, or during configuration process only:

_____

_____

_____

(19) List configuration computer's hardware if new, or if the hardware is submitted as part of modification. Submission should include up to date hardware pictures or drawing, measurements, component mapping, component listing, schematics, and parts listing.

Hardware ID#/ Version	Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.

(TABLE – 2)

APPENDIX – C UTILITY COMPUTER

c) Utility Computer subsystem specifics:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) Utility Computer Name/ID: _____

(4) Utility Computer Version: _____

(5) Describe Utility Computer operating system and its User/ID Password including the type of hierarchy:

_____

_____

_____

(6) Describe Utility Computer User ID/Password, including levels and type of hierarchy for application and configuration software:

_____

_____

_____

(7) List utility computer's application and configuration software if new, or if the software is submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(8) Which progressive subsystem provides the database to the utility computer?:

_____

_____

_____

(9) List new or modified firewall device(s) between the database computer and utility computer:

Hardware ID#/ Version	Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.

(TABLE – 2)

APPENDIX – D MASTER PROGRESSIVE CONTROLLER

d) Master Progressive Controller subsystem specifics:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) Master Progressive Controller Name/ID: _____

(4) Master Progressive Controller Version: _____

(5) List master progressive controller firmware, or software if new, or if submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(6) List the maximum number of the following items that the master progressive controller is able to handle simultaneously:

- Maximum number of progressive controllers: _____

APPENDIX – E PROGRESSIVE CONTROLLER

e) Progressive controller subsystem specifics:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) Progressive Controller Name/ID: _____

(4) Progressive Controller Version: _____

(5) List progressive controller firmware, or software if new, or if the software is submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(6) List progressive controller-based software that simulates other progressive subsystems (e.g., server, progressive controller, utility computer, progressive display controller):

- Software 1: _____ , Simulates subsystems_____
- Software 2: _____ , Simulates subsystems_____
- Software 3: _____ , Simulates subsystems_____

(7) Complete corresponding subsystem specifics in this form for the progressive simulated subsystem(s).

(8) Describe the duration and retention of real time and historical data. Include the maximum number of progressive jackpots that the system can retain in its database or storage, and whether this information can be printed:

_____

_____

(9) Describe the type data that is stored at the progressive controller. Include whether the EGM address is identified with each jackpot.

_____

_____

_____

(10) Provide a step-by-step recovery procedure for a progressive controller crash. Include what possible data can be lost during the recovery.

_____

_____

_____

(11) Describe how the time setting at the progressive controller affects the time settings on the rest of the progressive systems:

_____

_____

_____

(12) List your company's User ID/Password(s) for progressive controller system and applications:

- Manufacturer's System User ID/Password: _____ / _____
- Manufacturer's Software (1) User ID/Password: _____ / _____
- Manufacturer's Software (2) User ID/Password: _____ / _____
- Manufacturer's Software (3) User ID/Password _____ / _____
- Manufacturer's Software (4) User ID/Password _____ / _____
- Any additional Config. Comp. User ID/Password: _____ / _____

(13) List the maximum number of the following items that the progressive controller is able to handle simultaneously:

- Maximum number of progressive devices: _____
- Maximum number of progressive links per controller: _____
- Maximum number of progressive EGMs per link: _____

(14) List progressive controller hardware if new, or if the hardware is submitted as part of modification.

Hardware ID#/ Version	**Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.**

(TABLE – 2)

(15) Specify the type of communication protocol and version that the progressive controller utilizes:

_____

_____

_____

(16) Describe how the controller's communication protocol is established with EGM(s). Include protocol conversion board, machine interface cards, and firmware.

_____

_____

_____

(17) Describe the type of progressive functions the progressive controller supports. Include Bonus, Mystery Pays, Hyperlink type, and others.

_____

_____

_____

(18) Describe how the progressive controller handles residual amounts. Include whether residual amounts are rounded up to its nearest whole amounts:

_____

_____

_____

APPENDIX – F EGM INTERFACE CARD

f) EGM Interface Card subsystem specifics:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) EGM interface card Name/ID: _____

(4) EGM interface card Version: _____

(5) List EGM interface card firmware, or software if new, or if the software is submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(6) Describe the type of functions the EGM interface card supports. Include harness connection for interface to EGM, communication protocol conversion, display controller interface, interface to outside sources other than progressive systems, and others:

_____

_____

_____

(7) Describe the method used of setting the EGM address. Include the progressive subsystem name if EGM address is set by other than method than at EGM interface card subsystem:

_____

_____

_____

(8) Describe information that is communicated via EGM interface card. Include what data is communicated from and to EGM, what information is lost if communication is lost with progressive controller, and what happens if power is lost to the EGM interface card:

_____

_____

_____

(9) Describe how information in the card can be cleared. Include whether it is necessary to clear the card after service:

_____

_____

_____

(10) List EGM interface card hardware if new, or if the hardware is submitted as part of modification.

Hardware ID#/ Version	Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.

(TABLE – 2)

APPENDIX – G PROTOCOL CONVERTER CARD

g) Protocol Converter Card subsystem specifics:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) Protocol converter card Name/ID: _____

(4) Protocol converter card Version: _____

(5) List protocol converter card firmware, or software if new, or if the software is submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(6) Describe the type of functions the protocol converter card supports. Include its interface placement in the progressive system (e.g., interfaces between EGM card and progressive controller):

_____

_____

_____

(7) List protocol converter card hardware if new, or submitted as part of modification.

Hardware ID#/ Version	Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.

(TABLE – 2)

APPENDIX – H DISPLAY CONTROLLER

h) Display controller subsystem specifics:

(1) **Check if applies**..... ☐

(2) **Check if it is simulated by another subsystem** ..... ☐

(3) Display controller Name/ID: _____

(4) Display controller Version: _____

(5) List display controller firmware, or software if new, or if the software is submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(6) Describe whether the display controller is on a printed circuit board, or it is PC-based.

_____

_____

_____

(7) Describe the type of functions the display controller supports. Include its interface placement in the progressive system (e.g., interfaces to progressive controller, EGM interface card, etc.).

_____

_____

_____

(8) List display controller hardware if new, or submitted as part of modification.

Hardware ID#/ Version	Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.

(TABLE – 2)

(9) Describe the type of isolation from the progressive system the display controller has if communicating with other than progressive type of media systems:

_____

_____

_____

APPENDIX – I OVERHEAD ODOMETER

i) Overhead Progressive Odometer subsystem specifics:

(1) **Check if applies**..... ☐

(2) Overhead Progressive Odometer Name/ID:_____

(3) Overhead Progressive Odometer Version:_____

(4) Describe whether the overhead odometer subsystem is passive, or contains a display controller as part of its assembly that requires to be configured as part of its communication with progressive system. Include its interface placement in the progressive system (e.g., interfaces to progressive controller, EGM interface card, etc.).

_____

_____

_____

(5) List overhead odometer firmware, or software, including download utility programs whether new, or submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(6) List hardware whether new or submitted as part of modification.

Hardware ID#/ Version	Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.

(TABLE – 2)

(7) Describe how many maximum progressive levels can be displayed and what is the maximum progressive jackpot amount that can be displayed. Include in the description as to what happens when the maximum amount of the display is exceeded:

_____

_____

_____

(8) Describe whether the overhead progressive display subsystem is capable of displaying any progressive level and if multi levels are displayed, need the levels be in consecutive order (i.e., from top level down with respect to the game).

_____

_____

_____

(9) Describe how many pending progressive jackpots can be handled simultaneously and how the multiple pending jackpots are handled for display (e.g., each pending jackpot cycles through on the display with the amount and address of the EGM that triggered the jackpot).

_____

_____

_____

(10) Describe how pending jackpots are cleared.

_____

_____

_____

(11) Describe how and whether during pending jackpots the overhead display is capable to display and increment the reset amount while adding real time progressive contributions to that amount (e.g., the reset amount jackpot contains real time progressive increments while cycling through with pending jackpots on the overhead display).

_____

_____

_____

(12) Describe what is displayed for jackpots that are below $1,200.

_____

_____

_____

(13) Describe whether the display rounds up progressive jackpots, or truncates the amounts. Include which amount is paid to the patron.

_____

_____

_____

APPENDIX – J IN-MACHINE ODOMETER

j) In-machine Progressive Odometer subsystem specifics:

(1) **Check if applies**..... ☐

(2) In-machine Progressive Odometer Name/ID:_____

(3) In-machine Progressive Odometer Version:_____

(4) Describe whether the in-machine odometer subsystem is passive, or contains a display controller as part of its assembly that requires to be configured as part of its communication with progressive system. Include its interface placement in the progressive system (e.g., interfaces to progressive controller, EGM interface card, etc.).

_____

_____

_____

(5) List display controller firmware, or software, including download utility programs whether new, or submitted as part of modification.

Firmware ID# (Version, Date, Code)	Chip Type/ Checksum	Function(s), whether new or modified replacement

(TABLE -1)

(6) List hardware whether new or submitted as part of modification.

Hardware ID#/ Version	Function(s), include whether new, or modified replacement. Indicate if the design was performed for manufacturer by outside sourcing. List the outside sourcing.

(TABLE – 2)

(7) Describe how many maximum progressive levels can be displayed and what is the maximum progressive jackpot amount that can be displayed. Include in the description as to what happens when the maximum amount of the display is exceeded.

_____

_____

_____

(8) Describe whether the in-machine progressive display subsystem is capable of displaying any progressive level and if multi levels are displayed, need the levels be in consecutive order (i.e., from top level down with respect to the game).

_____

_____

_____

(9) Describe whether a progressive jackpot for $1,200 freezes the display and how the jackpot is cleared.

_____

_____

(10) Describe what happens for jackpots below $1,200 and how the jackpot is cleared. Include what is displayed on the odometer.

_____

_____

_____

(11) Describe whether the display rounds up progressive jackpots, or truncates the amounts. Include what progressive amount is paid to the patron.

_____

_____

_____

APPENDIX – K EGM HARNESS(ES)

k) EGM Harness subsystem specifics:

(1) **Check if applies**..... ☐

The following submission table is for new or modified harness(es). Submission should include schematic diagrams of the harnesses:

Harness ID#	Manufacturer & EGM Model	Max Progressive Levels	EGM & Progressive Protocol	Progressive Display (on screen, in-machine odometer)	Description