

JUNE 2015

GSA CASE STUDY

GAMING STANDARDS



GSA MEMBER SPOTLIGHT SERIES

INTRALOT DEPLOYS GSA PROTOCOLS IN OHIO & AUSTRALIA FOR 36,000 EGMS

Stories About Innovative Examples Of Member Companies Deploying Unique Products, Services and Market Solutions Which Have Been Driven by Protocols Fostered by the Gaming Standards Association.

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INTRALOT is a Greek company that supplies integrated gaming and transaction processing systems, game content, sports betting management and Interactive Gaming Services, to state-licensed gaming organizations worldwide. The

company acts both as a lottery vendor and a lottery operator. INTRALOT has a presence in 57 jurisdictions and a workforce of approximately 5,400 people. It is a public company listed on the Athens Stock Exchange.



G2S PROTOCOL PLAYS KEY ROLE IN THE INTRALOT iGEM MONITORING SYSTEM

INTRALOT's iGEM Monitoring System has been developed based on GSA standards, making G2S the default communication protocol between the system and the connected EGMS. For non-G2S machines, iGEM provides a protocol converter (SMIB), which is installed in each machine and translates its native protocol to G2S.

INTRALOT's latest iGEM system implementations in Ohio (USA) and Victoria (Australia) use this concept, making these states GSA ready.

In both jurisdictions, INTRALOT has also developed S2S links with 3rd party external systems. Many of the G2S classes and the SMIB conversion software have been certified by GSA, while the S2S links are in the process of submission for approval.

INTRALOT's three business cases are presented in the following pages.

IN THIS ISSUE

- **G2S Helps to Monitor 10,500 EGMS in 7 Ohio Racinos**
- **G2S Deployment Monitors 26,000 EGMS in 509 Victoria Venues, Australia**
- **S2S Links Casino Systems at Crown Melbourne**



OHIO USES THE G2S PROTOCOL TO MONITOR 10,500 EGMS IN 7 RACINOS

INTRALOT CASE #1

INTRALOT, the technology provider to the Ohio Lottery, operates its iGEM Gaming System to monitor and control the State's gaming machines in Racinos statewide. The system monitors more than 10,000 EGMs in 7 locations. It provides native G2S support while INTRALOT'S iGEM protocol converter offers compatibility to EGMs that still use the SAS protocol.

The INTRALOT monitoring project started in 2011 as a result of a contract option selected by the Ohio Lottery. The primary goal of the project was to eliminate manual check and auditing of EGMs operating in the seven locations and the policy affects all sixteen EGM suppliers that are licensed by the state to place machines in Racinos.

In addition to the Game Authentication function within G2S (GAT), the monitoring system also allows remote verification of game percentages and pay tables*. The INTRALOT solution in Ohio Racinos also takes advantage of multi-host capabilities within machines which is important because INTRALOT'S iGEM System can operate simultaneously, in parallel to the casino management systems used for other daily tasks.

*OHIO LOTTERY – GLI LINK

This application link provides support for the task of game's certifications tracking. More specifically enables the communication between INTRALOT'S lottery system and GLI in order to obtain information regarding the approval status of different items that make up a software set. At the same time we provide to GLI cloud info for the Racinos (PropertyInfo class) and their VLT's (clientInfo class).

Note: The swSet class belongs to Intralot's extension, agreed only with GLI. It has not been submitted to S2S committee.



"The system INTRALOT has installed, to monitor and control the 10,500 EGMs in the 7 Ohio Racinos, saves thousands of hours of manual audits and game checks each year alone."

Matt Johnson
Technical Director, INTRALOT USA



VICTORIA, AUSTRALIA MONITORING SYSTEM FOR NON-CASINO GAMING

INTRALOT CASE #2

In 2011, INTRALOT was chosen by the state of Victoria in Australia to develop and operate the Central Monitoring and Control System for more than 26,500 EGMs widely distributed throughout the country's most densely populated state. The system was required to control, authorize and monitor all EGMs operating outside casino environments and was fully deployed in February 2013.

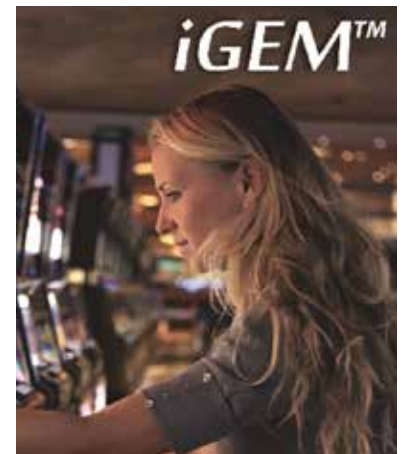
INTRALOT's field-tested iGEM platform was adapted to comply with the requirements in Victoria and also to support other gaming protocols currently used in Victoria, such as QCOM and two versions of the legacy VLC protocol. For that purpose, the iGEM SMIB was employed to provide protocol conversion from native EGM protocols to the GSA G2S classes and commands that the iGEM Site Controller supports.

"The GSA protocols are not only foundational to our products, but they have already become the global standard that our Lottery customers expect and demand."

Theodosios Engelis
Group Director, INTRALOT

TO FACILITATE THE IGEM MONITORING SYSTEM REQUIREMENTS IN VICTORIA, INTRALOT EMPLOYED THE FOLLOWING G2S PROTOCOL CLASSES:

- communication
- gamePlay
- voucher
- cabinet
- optionConfig
- handpay
- eventHandler
- gat
- progressive
- meters
- noteAcceptor
- bonus



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More than 26,500 EGMs are monitored in real-time throughout the state of Victoria.



VICTORIA, AUSTRALIA PRE-COMMITMENT SYSTEM FOR GAMING PATRONS

INTRALOT CASE #3

Following the successful implementation of the Victoria Monitoring System (see page 3), INTRALOT was also chosen by the State of Victoria to implement a Central State-Wide Pre-Commitment System enabling players to issue and use cards which allow them to set multiple limits (time and money loss) on their game play. This central

system includes a state wide registered-player repository including player-limit and balance information.

To facilitate the pre-commitment requirements, the following G2S classes were used:

- gameplay
- idReader
- player
- informedPlayer (with Intralot extension)

GSA's System-to-System (S2S) Links with Crown Casino:

Crown Casino in Melbourne will maintain their existing systems for player registration and player tracking while a real-time GSA S2S link has been developed connecting them to INTRALOT's Pre-Commitment system, to exchange player details, Responsible Gaming parameters as well as Player Session data.

This S2S link will be used for the communication between the Pre-Commitment Central System and the Crown System for the support of the players' sessions at Crown's EGMs, in order to monitor player gaming activity and check against their limits, implementing the selected Pre-commitment scheme across Victoria.

INTRALOT designed and implemented a specific extension for "informedPlayer" class of the S2S protocol in order to enable two-way exchange of player-session information required for the purposes of linking the Victoria system and the S2S link with Crown Casino systems. This extension has been discussed and agreed with GSA and is in the process of submission for approval to the S2S committee of the Gaming Standards Association.

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