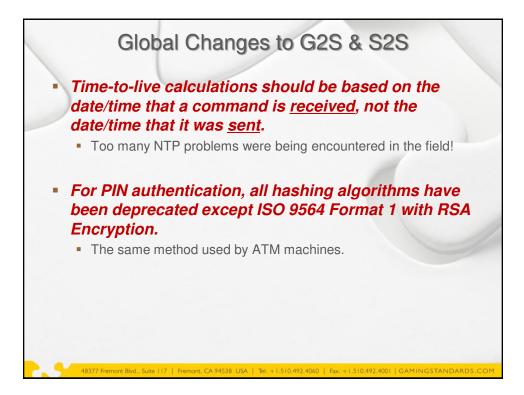
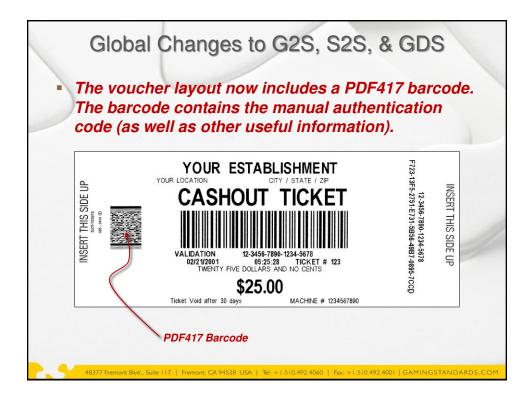
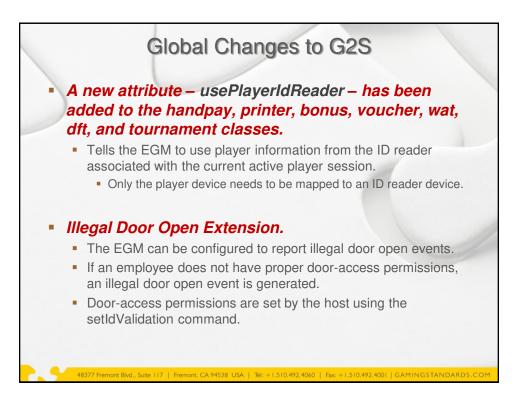


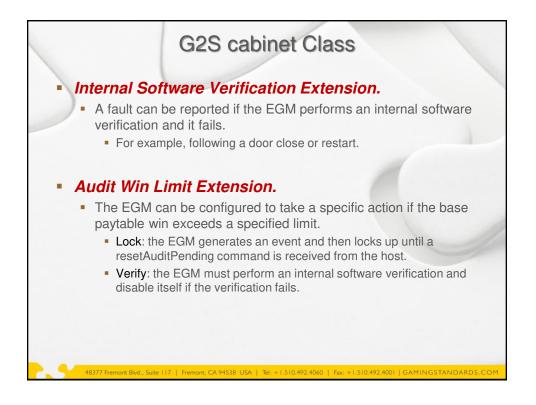
	Candidate Releases
identify the	idering a new policy that will help stability of its protocols – CIC-58. ards organizations, like W3C, do this.
Stage	Description
Working Draft	GSA is seeking feedback on a proposed protocol. Significant changes should be expected.
Candidate	The proposed protocol is ready for initial implementation. Minor changes should be expected.
Proposal	Initial implementations have been completed. Very few additional changes, if any, should be expected.
Recommendation	Implementations have been widely deployed and thoroughly tested. No further changes should be expected.

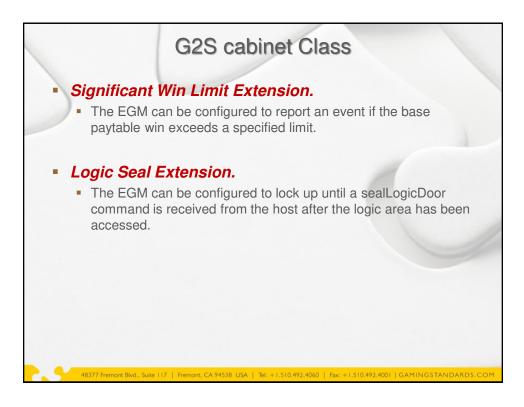


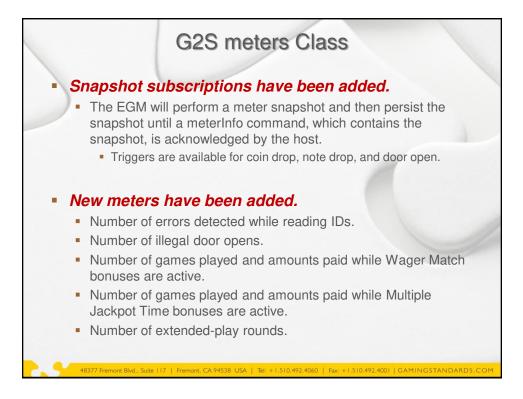












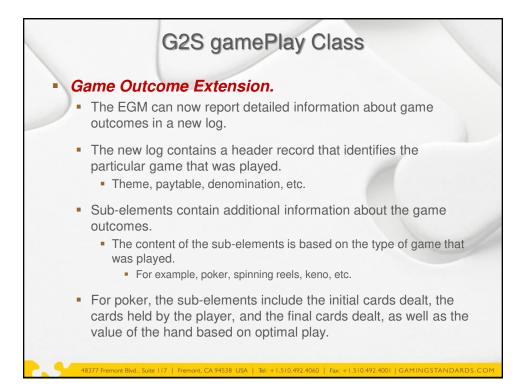
G2S gamePlay Class

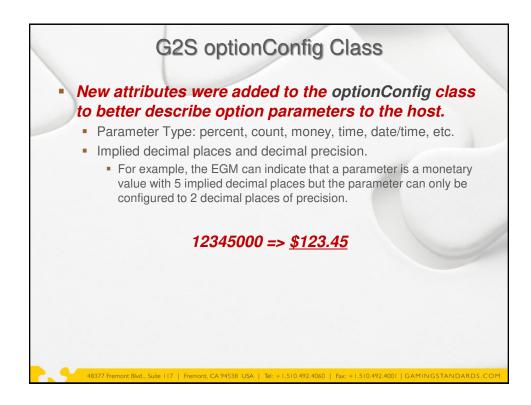
The EGM must indicate whether the full set of win levels for a paytable are being reported or just the minimum required by the protocol.

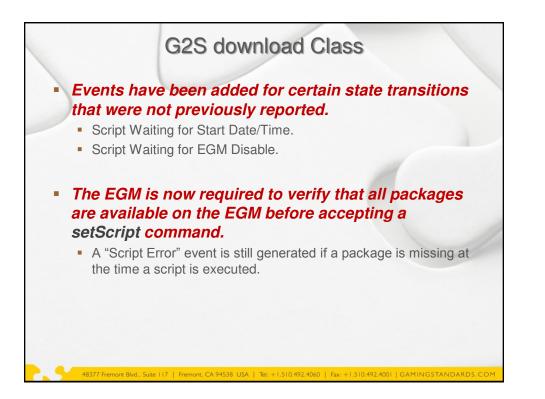
- At least one win level for base paytable win.
- At least one win level for secondary game win.
- At least one win level for each progressive jackpot link.

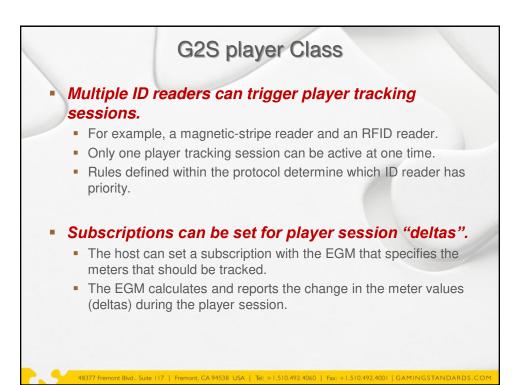
The EGM can also report:

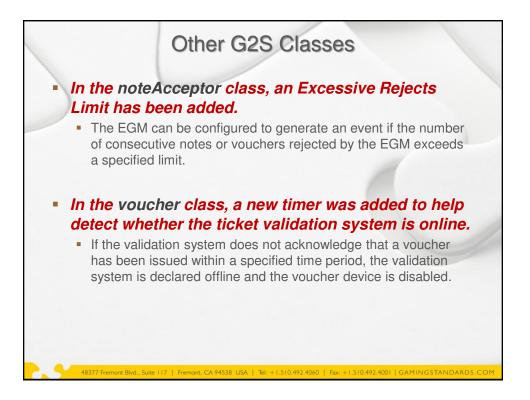
- Maximum number of lines and the maximum wager per line.
- Number of lines bet and the wager per line.
- Odds of hitting a win level and the minimum number of credits paid when the win level is hit.
- Minimum wager required to be eligible for the progressive jackpot linked to a win level.

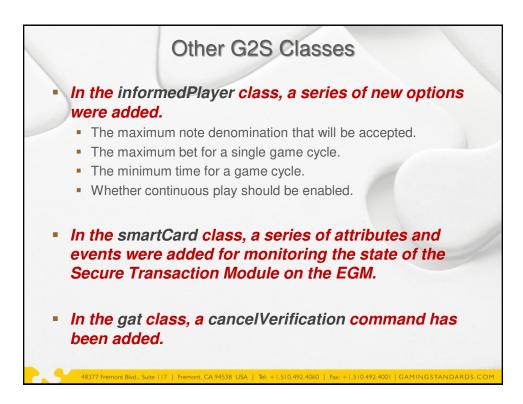


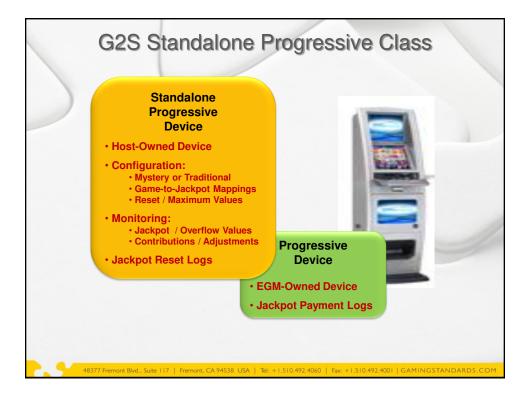


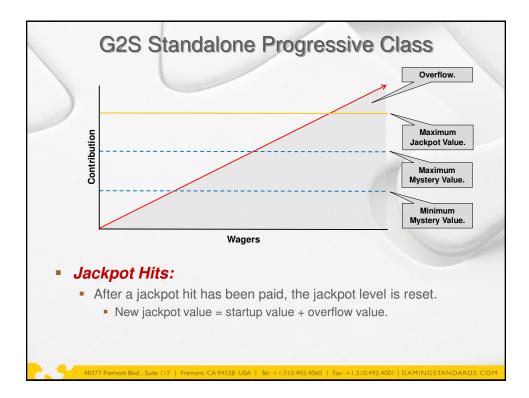




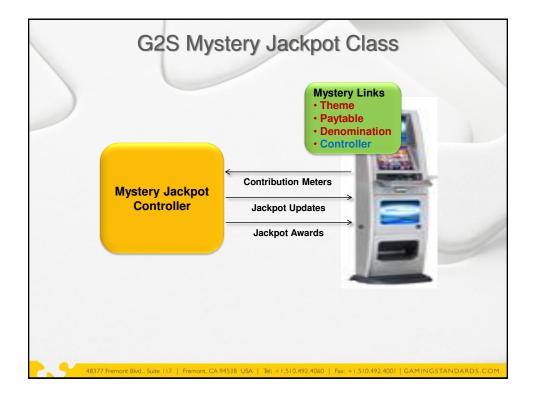






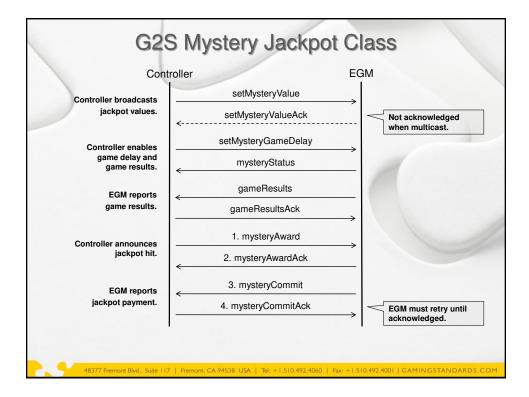


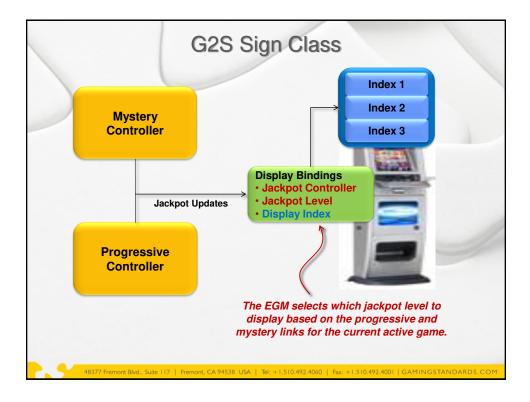
	Commands Originat	ted by Host	Reports the current jackpot values.
)	Request	Response	
	getSpcProfile	spcProfile	>
	getSpcStatus	spcStatus	¢
	setSpcState	spcStatus	
	getSpcLogStatus	spcLogStatus	
	getSpcLog	spcLogList	
	Commands Originat	ed by EGM	
	Request	Response	
	spcLevelReset	spcLevelResetAck	
		Announces the new jackpot value.	



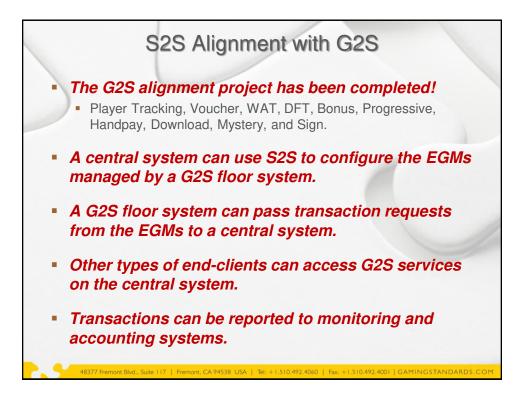
otaridara oorinnanda	S Originated by Host
Request	Response
getMysteryProfile	mysteryProfile
getMysteryStatus	mysteryStatus
setMysteryState	mysteryStatus
setMysteryLockOut	mysteryStatus
setMysteryMessage	setMysteryMessageAck
getMysteryLogStatus	mysteryLogStatus
getMysteryLog	mysteryLogList

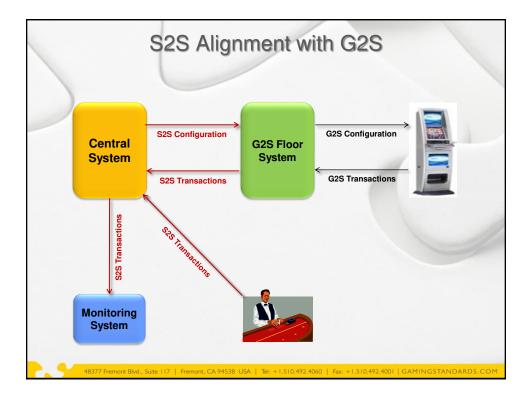
equest	
	Response
etMysteryValue	setMysteryValueAck
etMysteryGameDelay	mysteryStatus
kipMysteryGameDelay	mysteryStatus
nysteryAward	mysteryAwardAck
commands Originate	-
equest	Response
	gameResultAck
ameResult	gamenesultAck

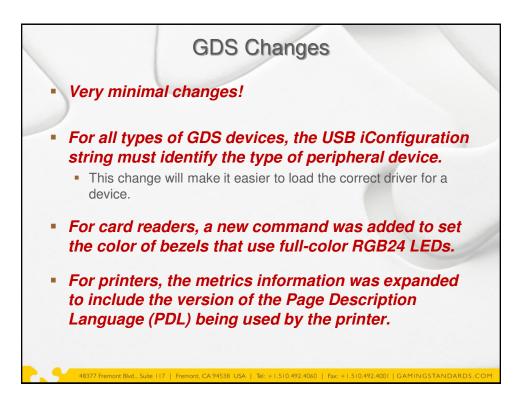


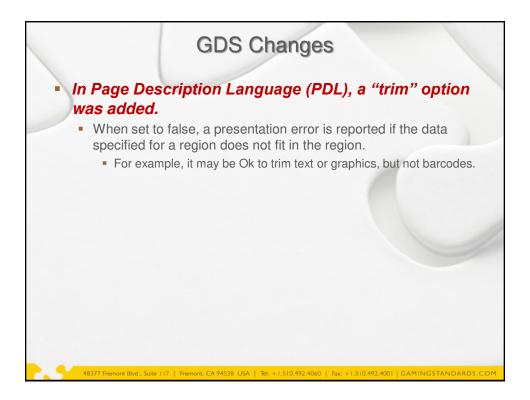


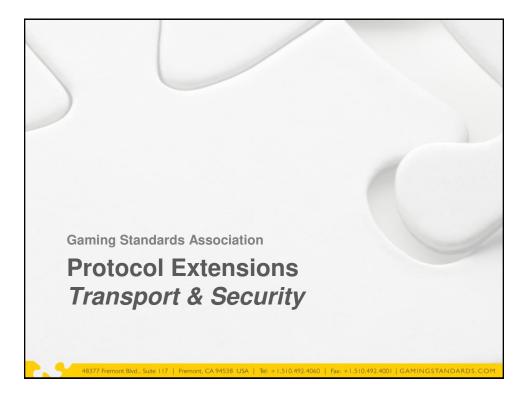
Commands Origin	ated by Host
Request	Response
getSignProfile	signProfile
getSignStatus	signStatus
setSignState	signStatus
setDisplayText	signStatus 🔶
setJackpotHits	signStatus
Commands Origin	ated by EGM
Request	Response
None	None
list of recent hits In be displayed by the sign.	Overrides the progressive value displayed at a particular position.

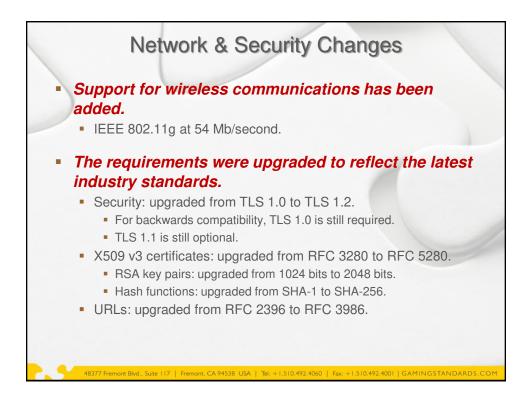


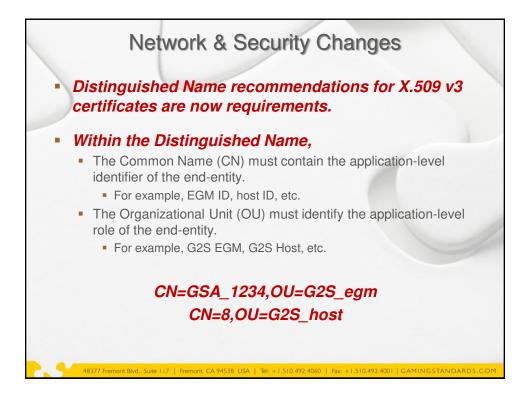


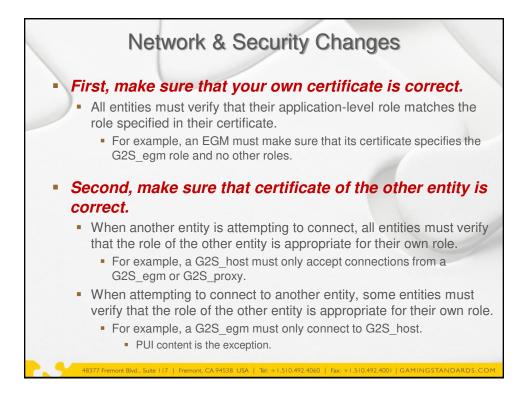


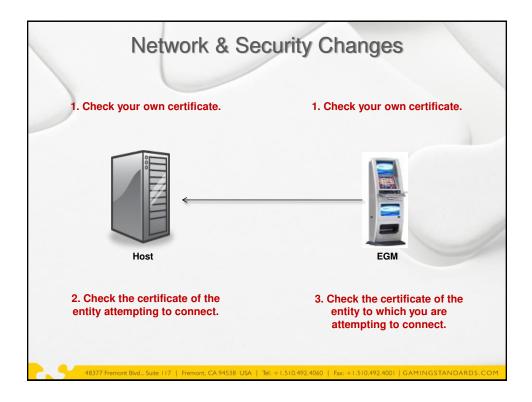


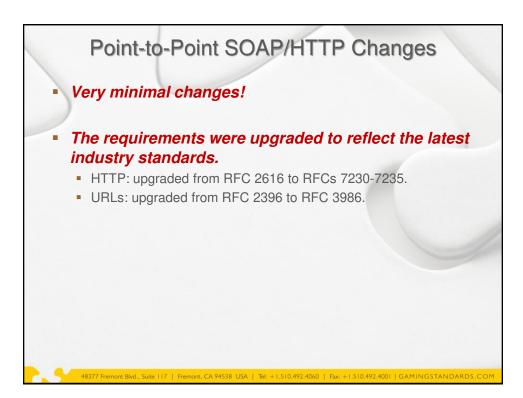


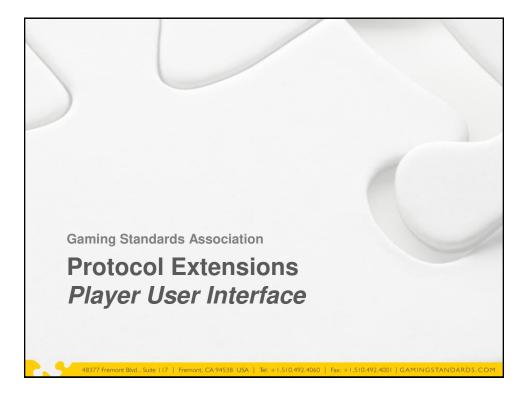




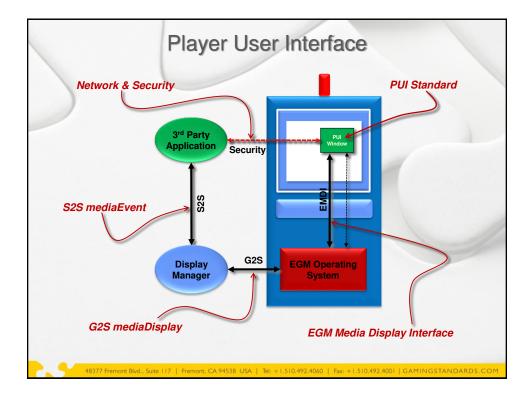


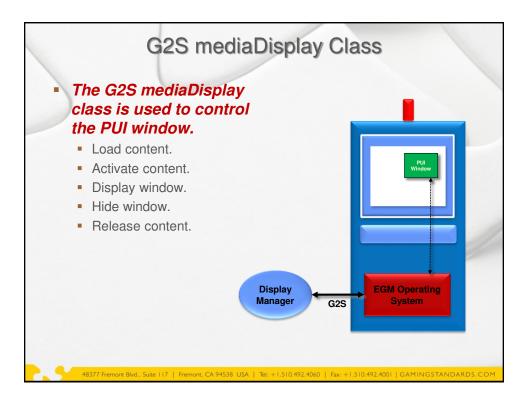


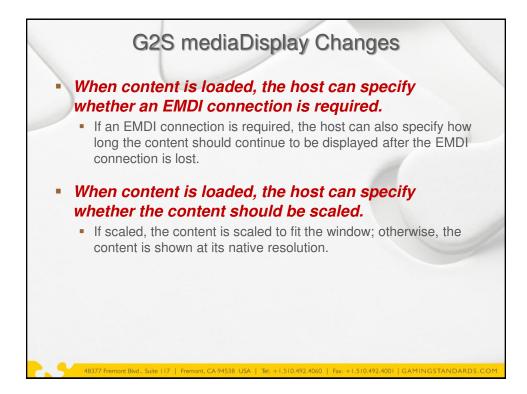


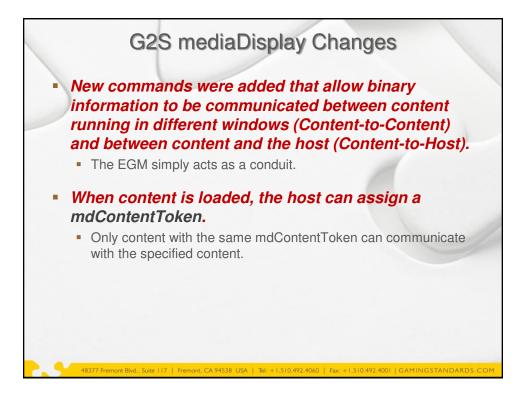


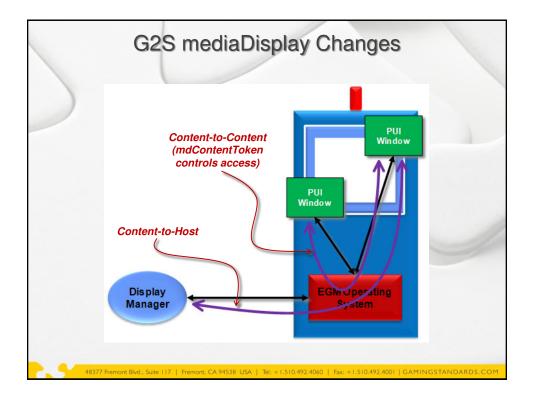


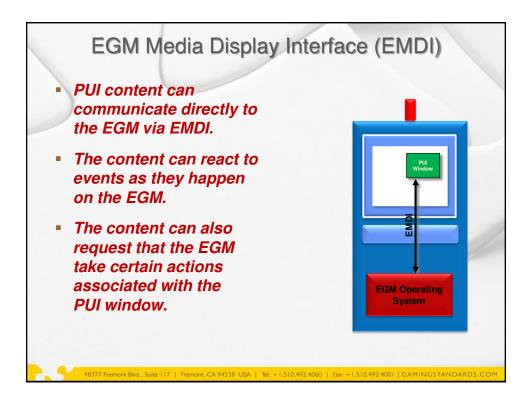


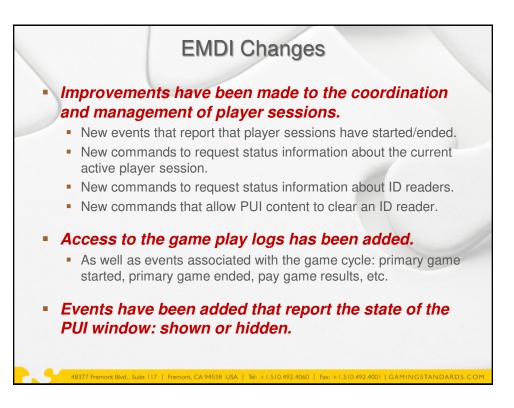


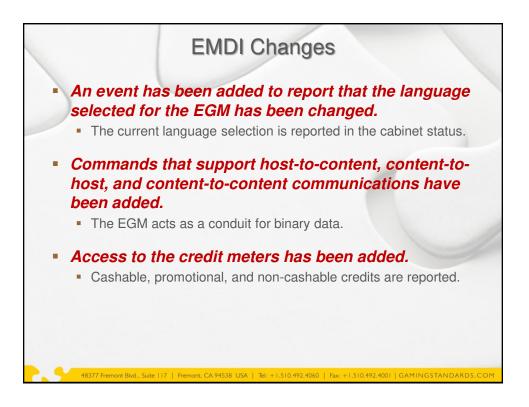


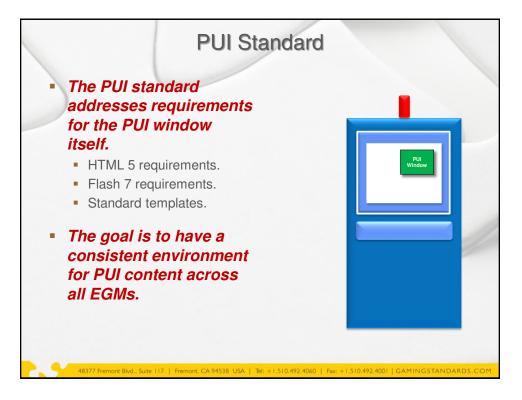


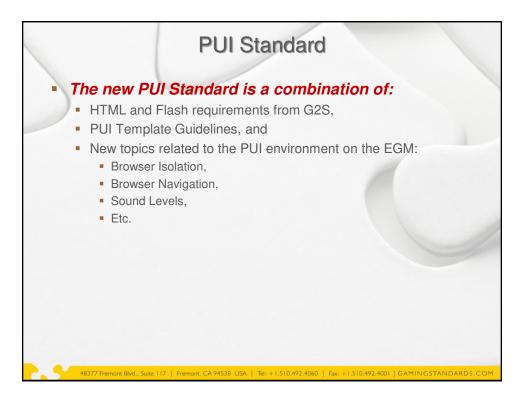


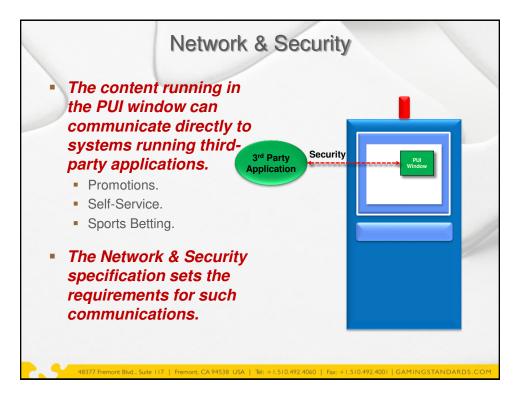


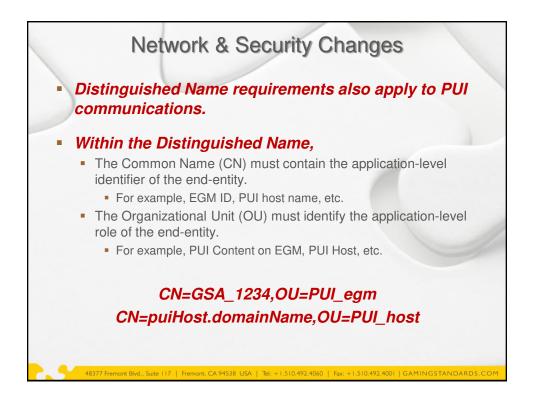


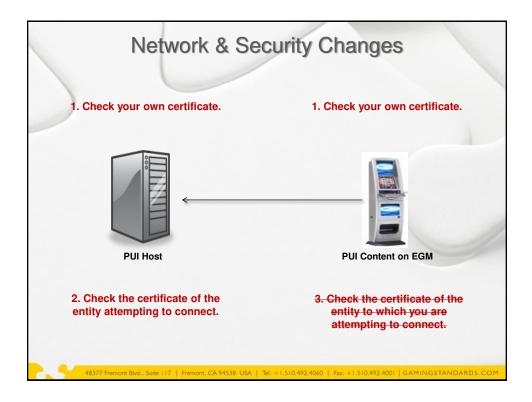


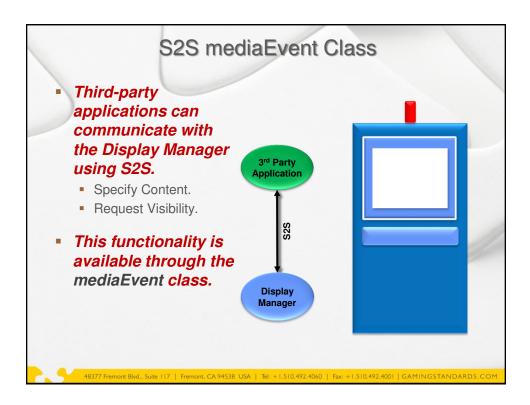


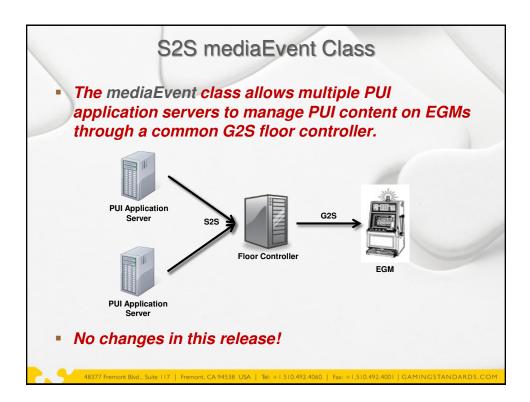


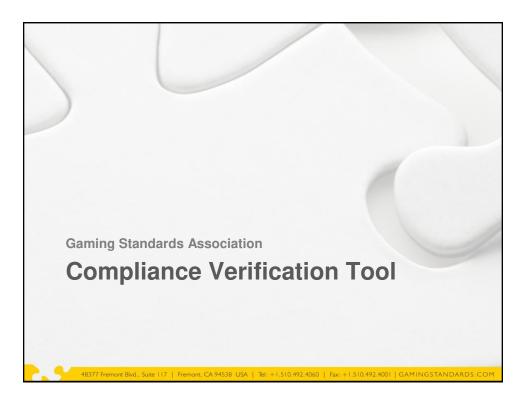




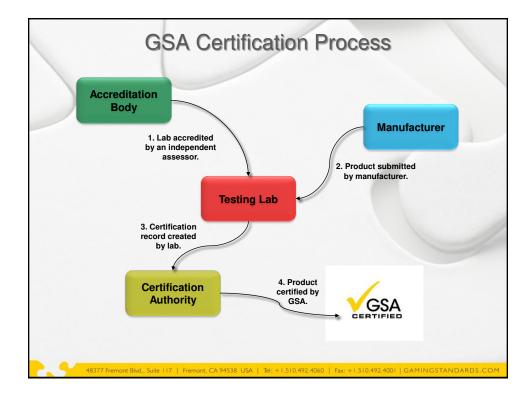










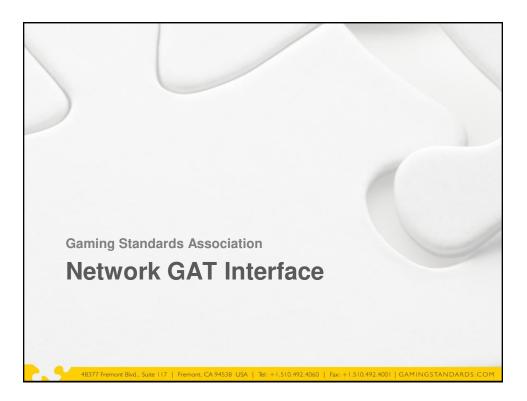


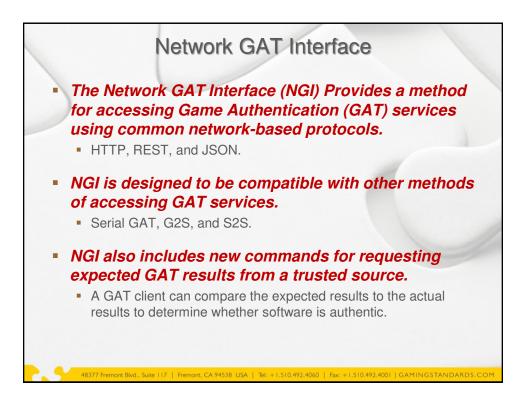
Compliance Verification Tool

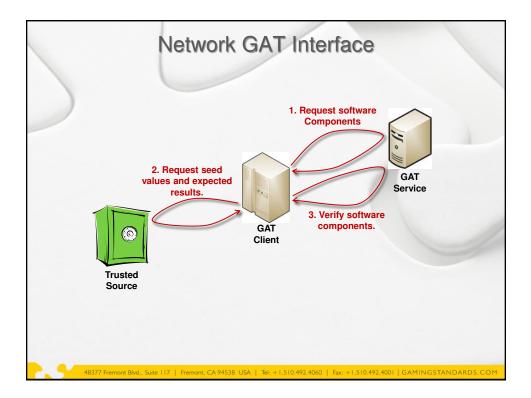
 GSA and its members are working with RadBlue to develop a tool that will help automate the testing of G2S products in a repeatable and predictable manner.

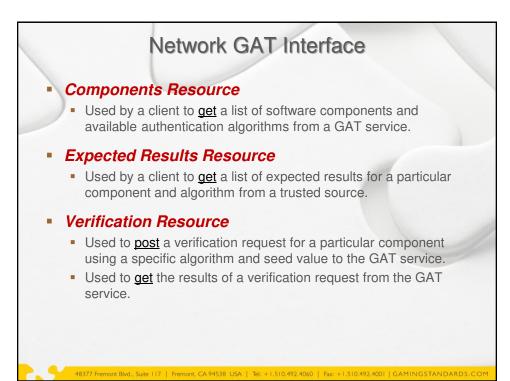
- CVT 1.0 tests the most important EGM requirements in the six core classes of G2S. Released in November 2014.
- CVT 2.0 tests the most important Host requirements in the six core classes of G2S. Released in August 2015.
- CVT 3.0 will include the remaining EGM requirements in the six core classes. Scheduled for April 2016.
- CVT 4.0 will include the remaining Host requirements in the six core classes. Scheduled for November 2016.
- Additional classes and extensions will be added to the CVT based on the needs of the users.

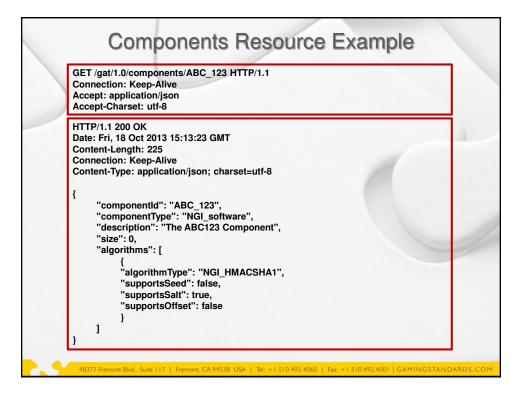
Suite 117 | Fremont, CA 94538 USA | Tel: +1.510.492.4060 | Fax: +1.510.492

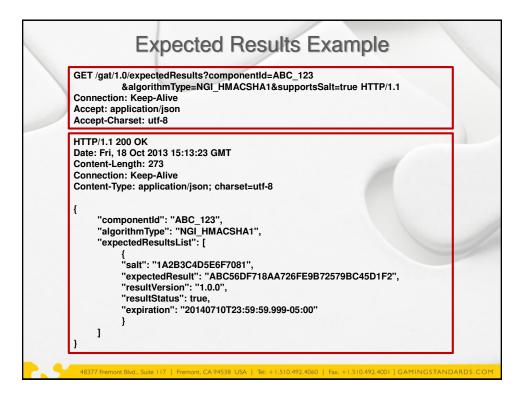


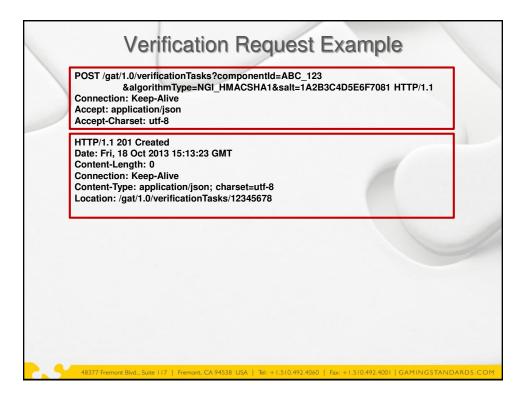


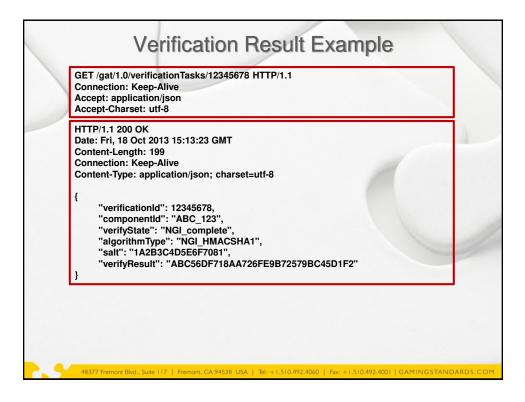




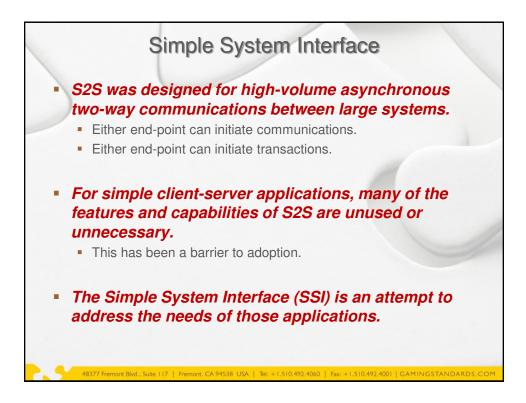


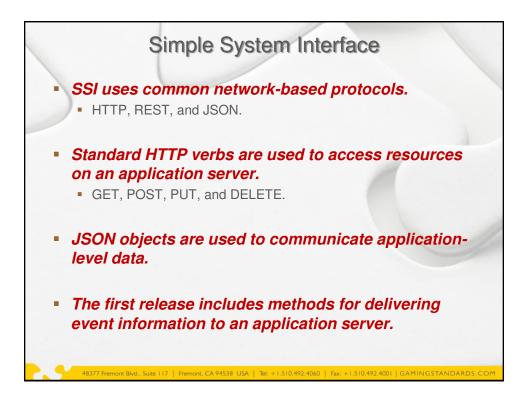


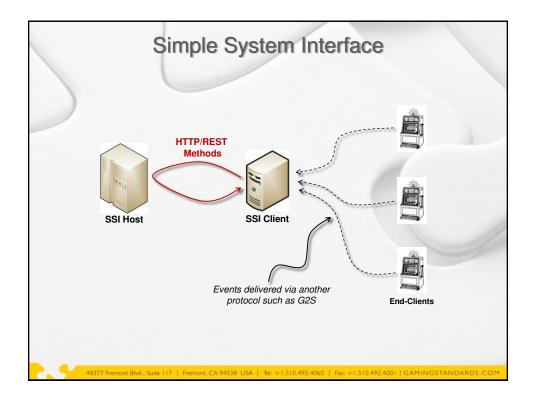


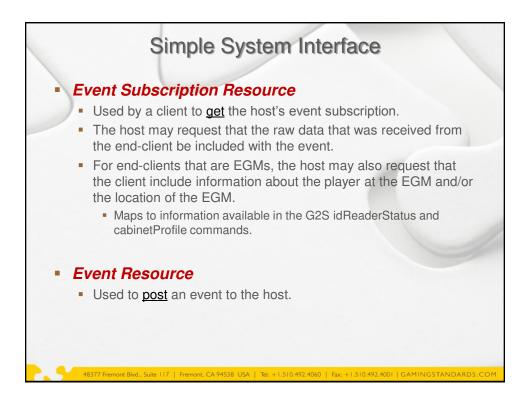


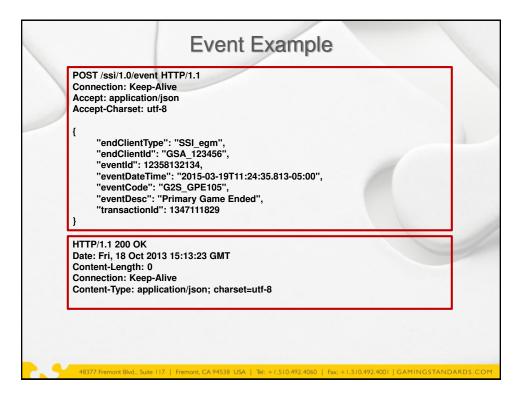


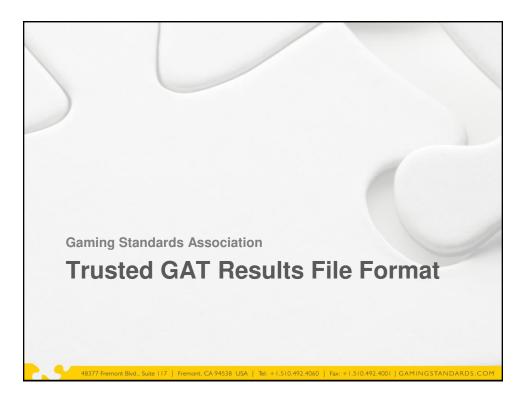


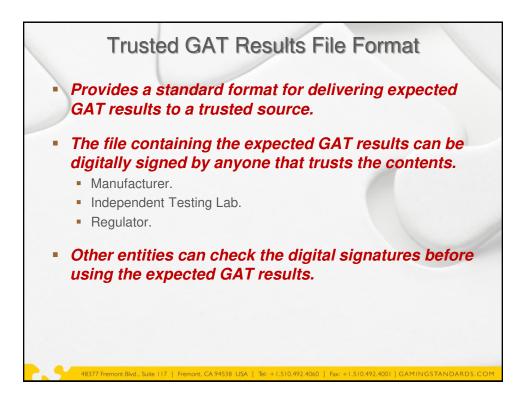


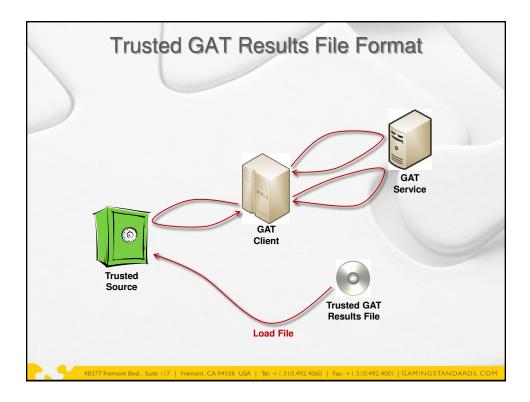


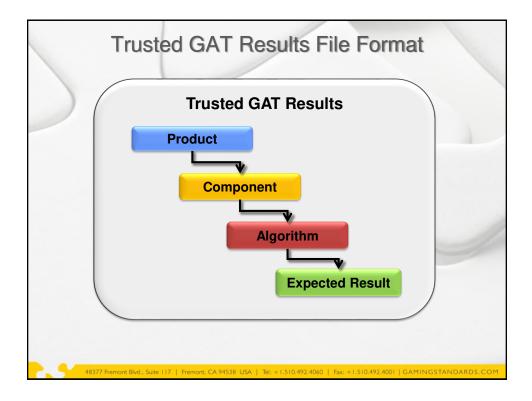


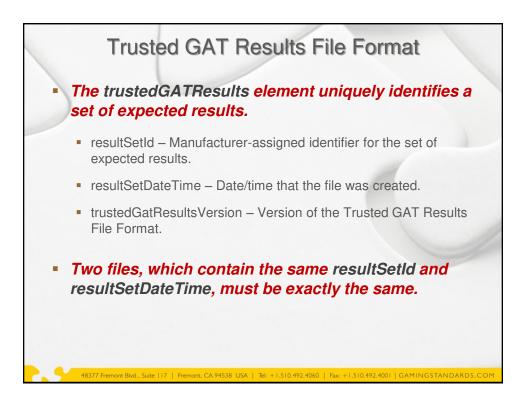


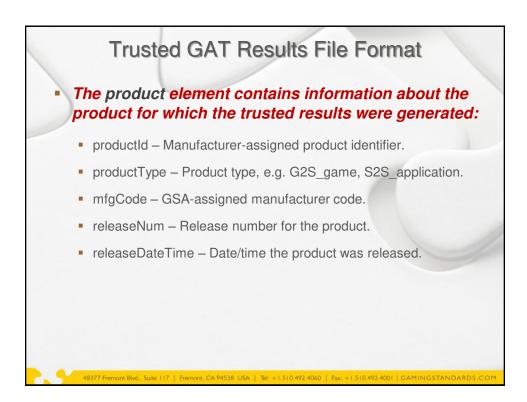


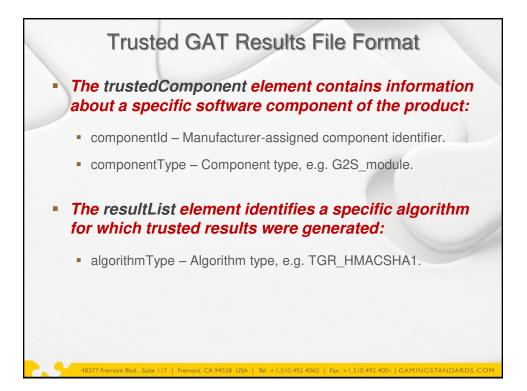












Trusted GAT Results File Format

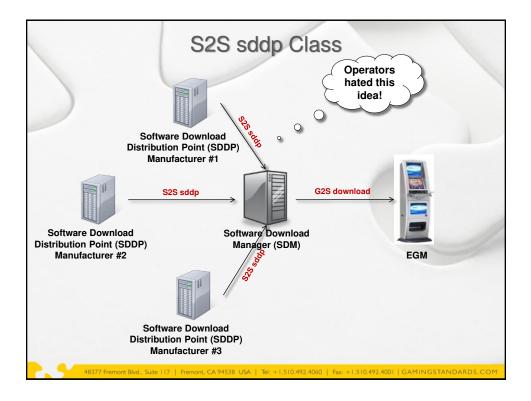
The verificationResult element contains the expected result for a specific seed value, salt value, and/or offsets:

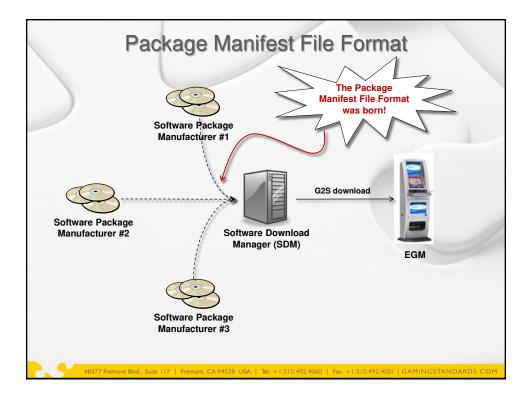
- seed The seed value used to calculate the result.
 - Starting value for the authentication algorithm.
- salt The salt value used to calculate the result.
 - A set of bytes prepended to the component before calculating the expected result.

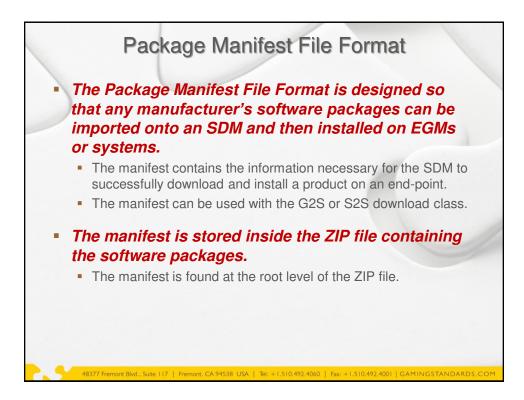
mont, CA 94538_USA | Tel: +1.510.492.4060 | Fax: +1.510.492.4001 | GAMINGSTANDARDS.CO

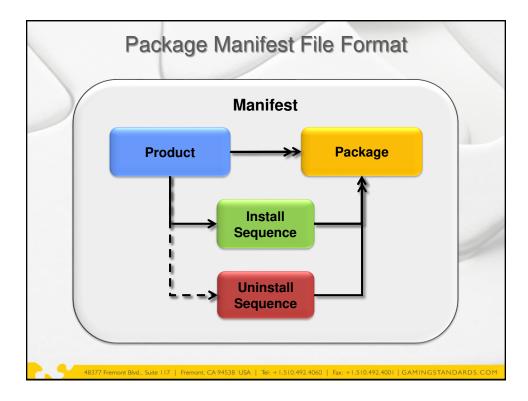
- startOffset The starting offset within the component.
- endOffset The ending offset within the component.
- verifyResult The expect result.

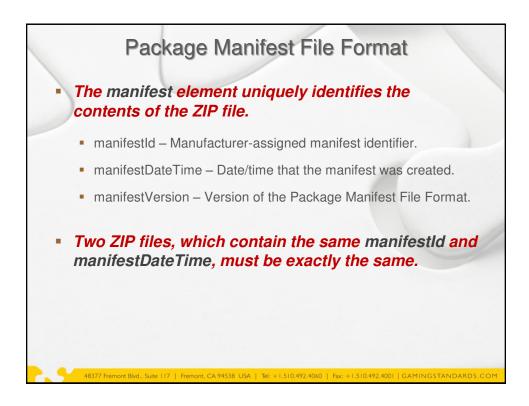


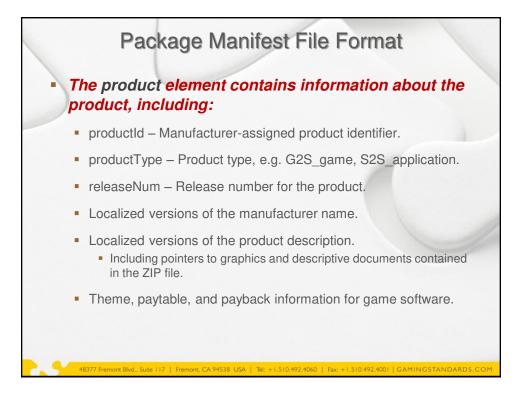








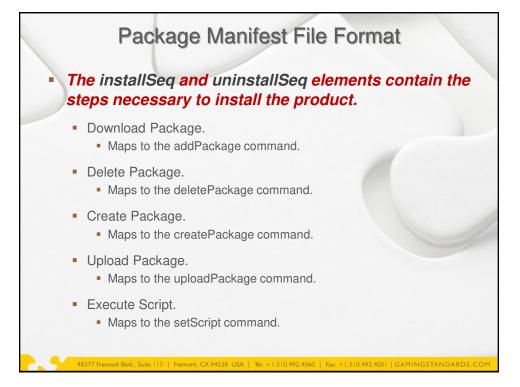


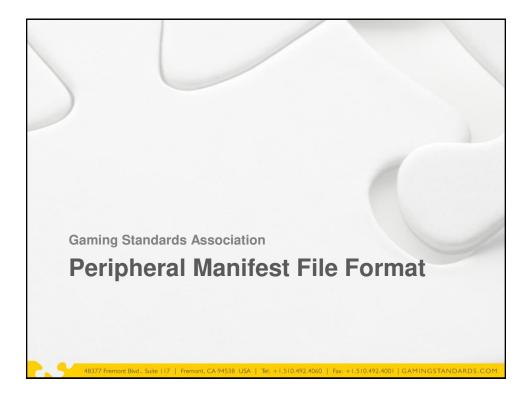


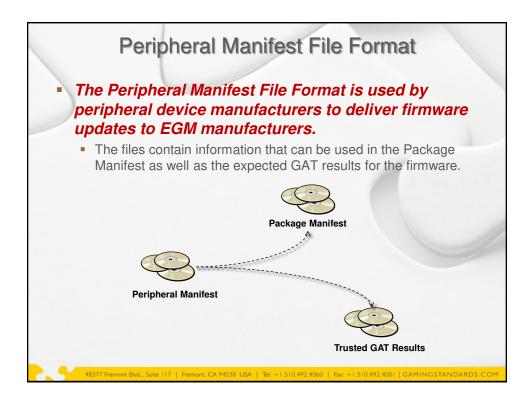
Package Manifest File Format

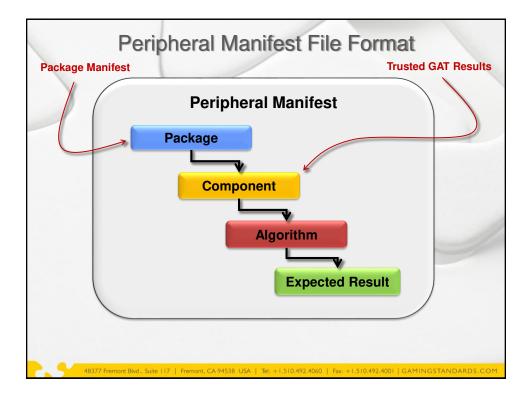
The package elements contains information about the software package, including:

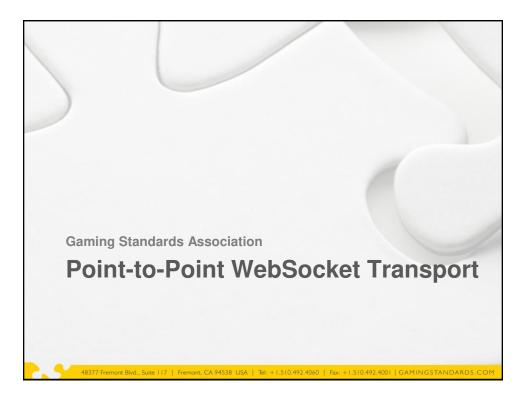
- packageId Manufacturer-assigned package identifier.
- moduleId Module resulting from installation of the package.
- releaseNum Release number of the package.
- fileName The name of the software file within the ZIP file.
- Dependencies that must be satisfied before installation:
 - Modules Required software modules.
 - Hardware Required hardware components.
 - Storage Required storage capacity.
 - Options Required option settings.
 - Operator Actions Required operator actions.
 - "and", "or", and "not" operations can be specified.

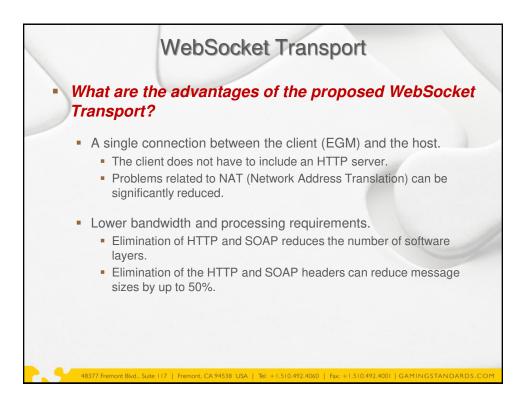


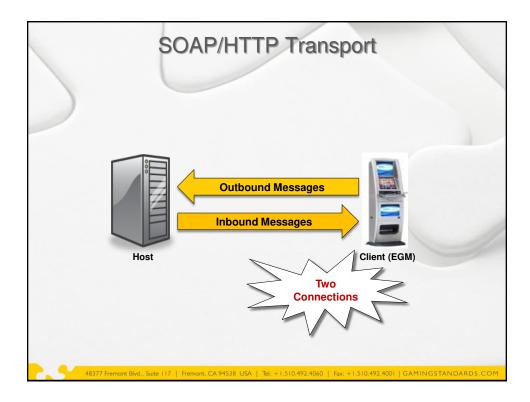


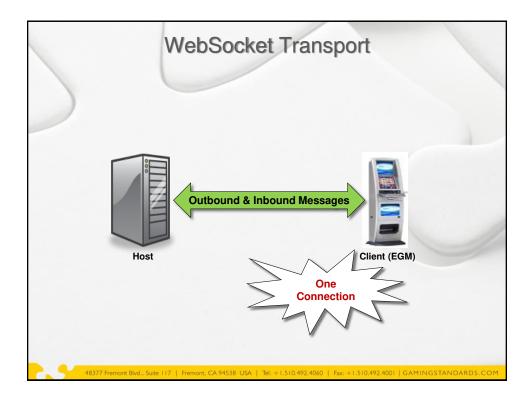


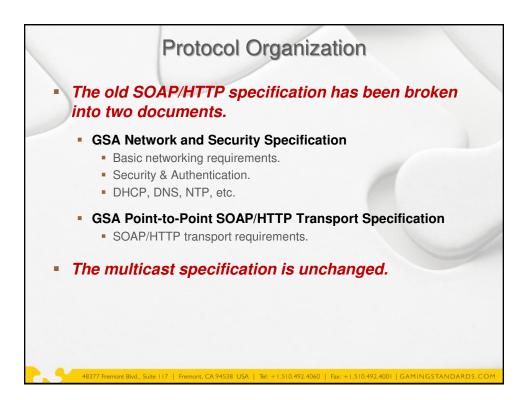














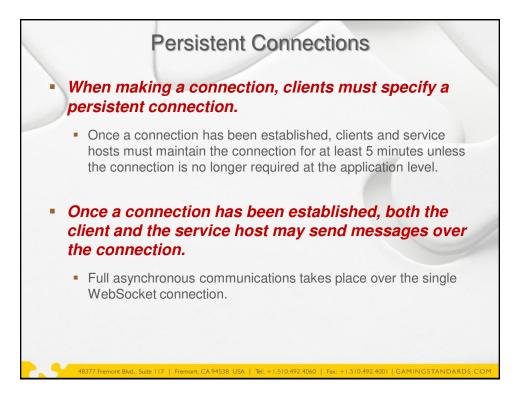


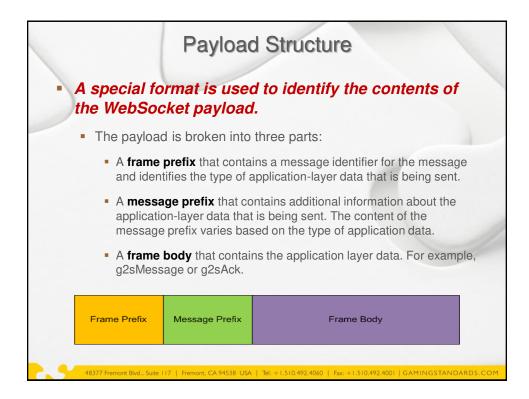
G2S URI

For G2S, the EGM ID and Host ID for the communications association must be appended to the base URL of the service.

- ws://config.casino.com:80/g2s?EGMID=ABC_123&HOSTID=1
- wss://config.casino.com:443/g2s?EGMID=ABC_123&HOSTID=1
- The host must not accept the connection if the Host ID is not correct.
- As opposed to the SOAP/HTTP transport, the EGM ID and Host ID are only provided in the initial connection request. They are not provided by the transport layer with every message.
 - These values must be passed to the application layer with each application-layer message.

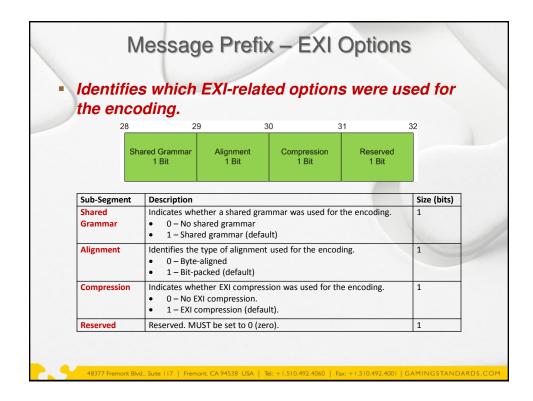
7 | Fremont, CA 94538 USA | Tel: +1.510.492.4060 | Fax: +1.510.492.4001 | GAM



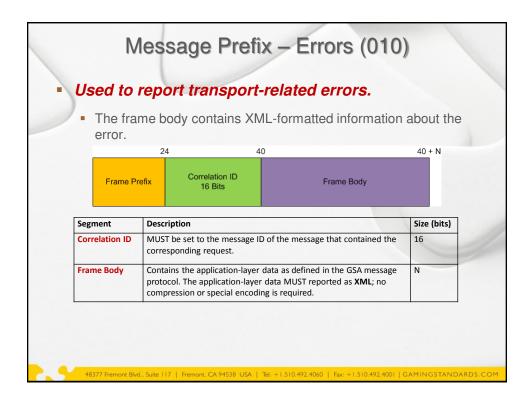


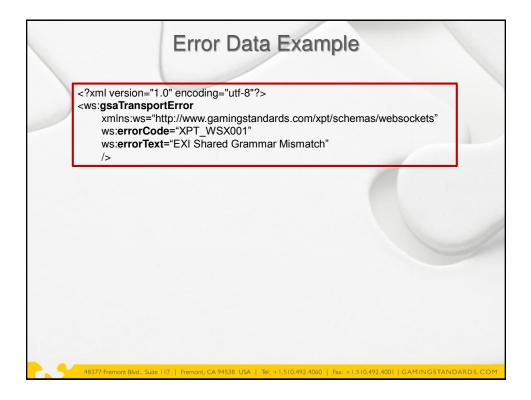
layer da	me prefix identifies the type of applica ta that is being sent and contains the le identifier for the message.				
) 4 Version 4 Bits	5 8 24 Session 1 Bit Type 3 Bits Message ID 16 Bits Message Prefix Fra	me Body			
Segment	Description	Size (bits)			
Version	Indicates the version of the GSA Point-to-Point WebSocket Transport 4 Specification.				
Session	Indicates the direction of the application-layer data. • 0 – Client to Server • 1 – Server to Client				
Туре	Indicates the type of application-layer data. 3 • 000 - GSA message protocol request - e.g., g2sMessage 001 - GSA message protocol response - e.g., g2sAck • 010 - GSA transport error 100 - GSA transport error				
Message ID	Message identifier for the application-layer data. 16				

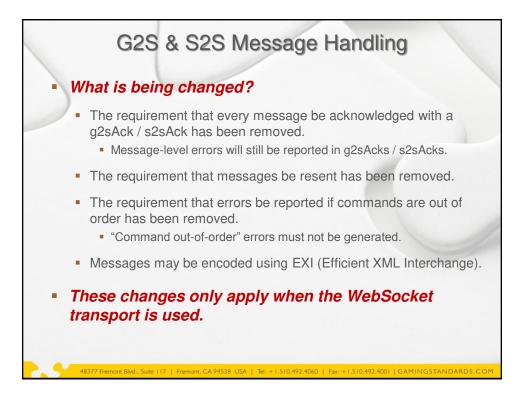
	or message protocol requests – for ssage or s2sMessage.	exampl		
9	0	2 + N		
	Frame Prefix Encoding Options 4 Bits 4 Bits Frame Body			
Segment	Description	Size (bits)		
Encoding	Identifies the method used to encode the application-layer data. 4 • 0000 - XML 4 • 0001 - GZIP 0010 - EXI From time to time, additional encoding methods may be added. 4			
Options	Contains encoding-specific options used when encoding the application-layer data. If encoding = 0000 – all bits MUST be set to 0 (zero) If encoding = 0010 – all bits MUST be set to 0 (zero) If encoding = 0010 – EXI Options, see below			
Frame Body	Contains the application-layer data as defined in the GSA message protocol.			

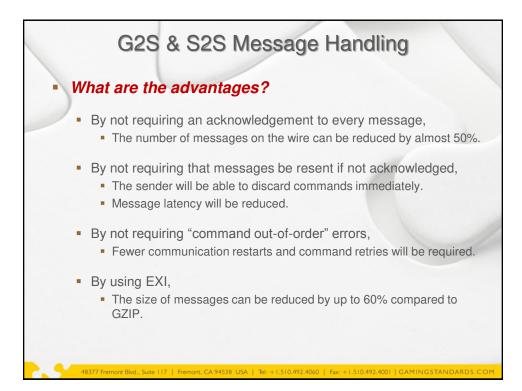


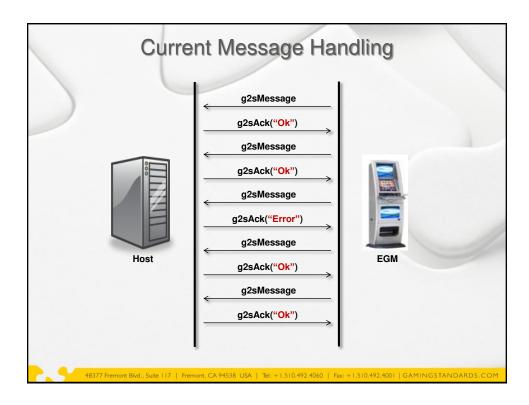
	24		40	40 + N
Frame P	refix	Correlation ID 16 Bits	Frame Body	
Segment	Descri	otion		Size (bits)
Correlation ID	MUST	MUST be set to the message ID of the message that contained the corresponding request.		
Frame Body	protoc	Contains the application-layer data as defined in the GSA message protocol. The application-layer data MUST reported as XML ; no compression or special encoding is required.		

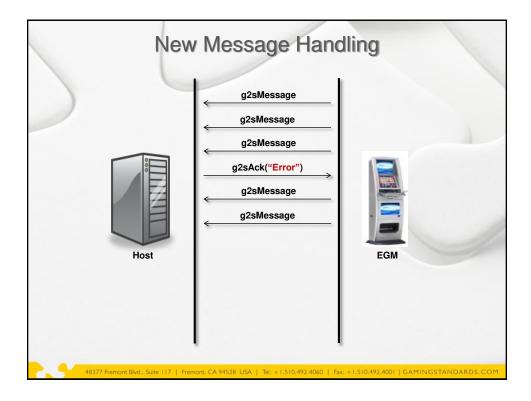


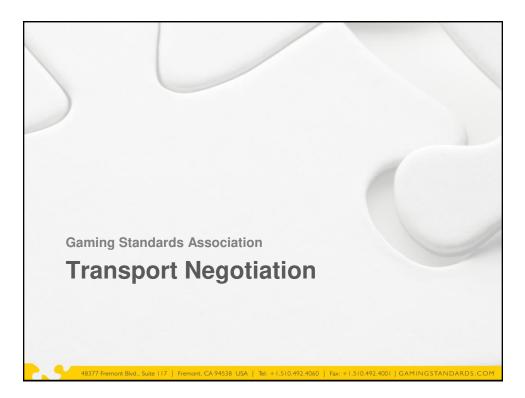


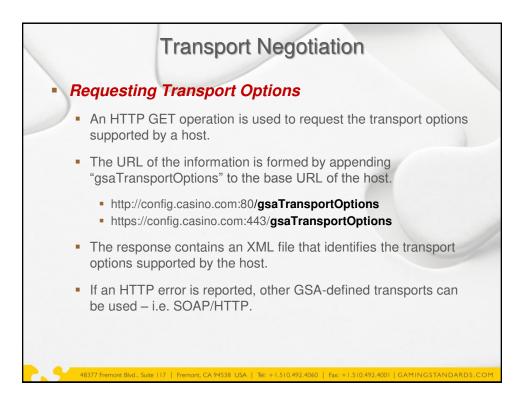


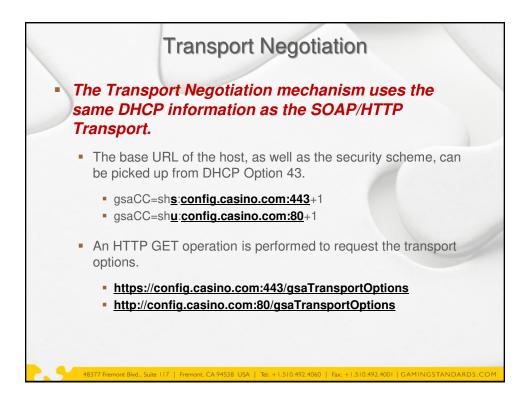


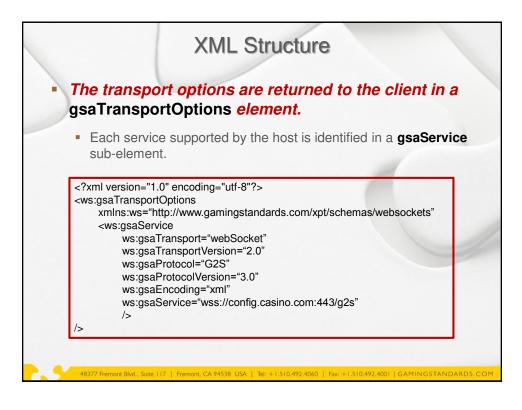






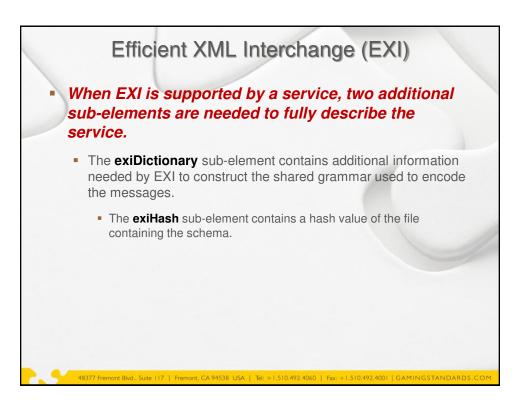


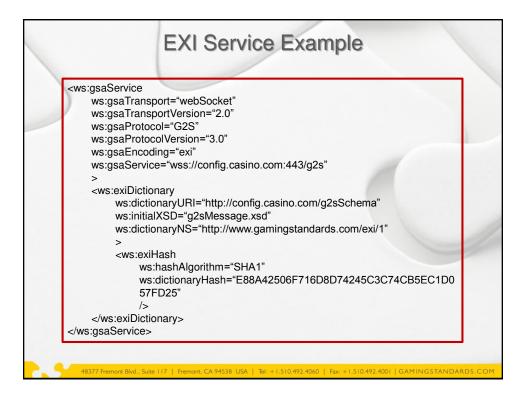




	3	vice Attributes
Attribute	Restrictions	Description
gsaTransport	type: xs:string	Identifies the GSA transport supported by the
	use: required maxLen: 16	service. For example, webSocket.
gsaTransportVersion	type: xs:string	Identifies the version of the GSA transport
	use: required maxLen: 8	supported by the service.
gsaProtocol	type: xs:string	Identifies the GSA protocol supported by the
	use: required	service. For example, G2S or S2S.
	maxLen: 16	
gsaProtocolVersion	type: xs:string	Identifies the version of the GSA protocol used for
	use: required maxLen: 8	message handling and communications by the service.
gsaEncoding	type: xs:string	Identifies the message encoding expected by the
	use: required	service. For example, xml, gzip-xml, or exi.
	maxLen: 16	
gsaService	type: xs:string	Contains the URI of the service in the following
	use: required	format: transport://host[":"port][path]. For
	maxLen: 256	example, wss://config.casino.com:443/g2s.

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exiDictionary	v Attributes	
Attribute	Restrictions	Description
dictionaryURI	type: xs:anyURI use: required	The location of the GZIP-compressed TAR file containing the schema used to generate the share grammar for the service.
initialXSD	type: xs:string use: required	The initial schema file used to generate the shared grammar.
dictionaryNS	type: xs:anyURI use: required	Namespace used to identify the shared grammar when serializing and de-serializing messages.
exiHash Attri	ibutes	
	Restrictions	Description
Attribute	Restrictions	Description

character string.

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The hash value for the GZIP-compressed TAR file

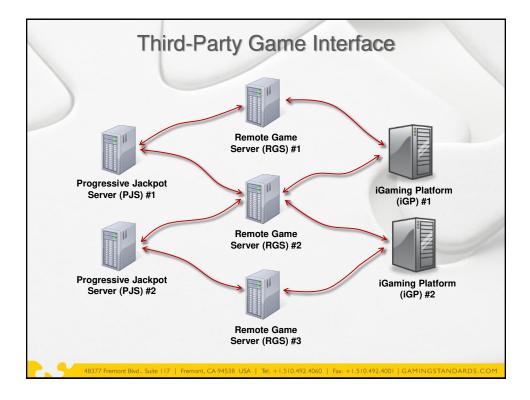
containing the schema; reported as a hexadecimal

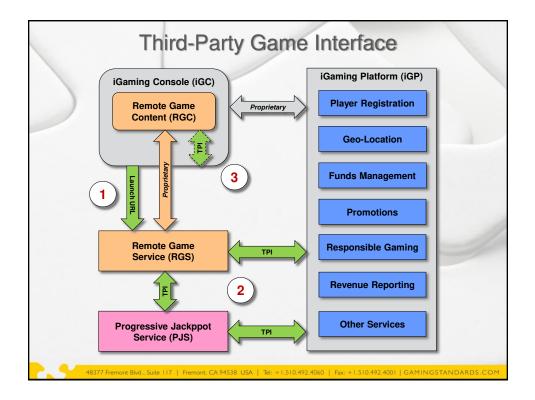
dictionaryHash

type: xs:string

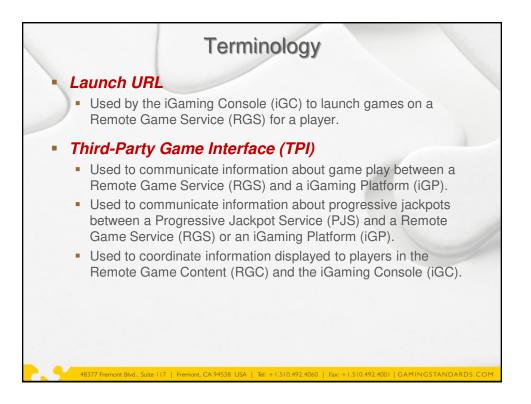
use: required

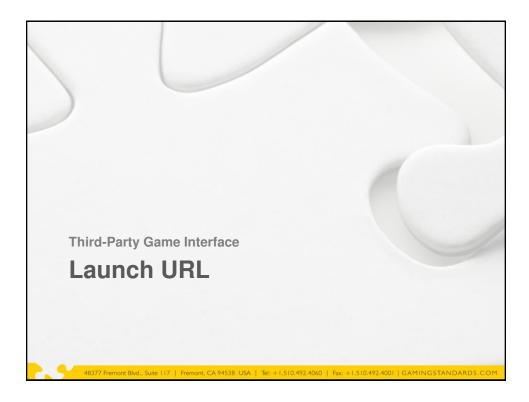


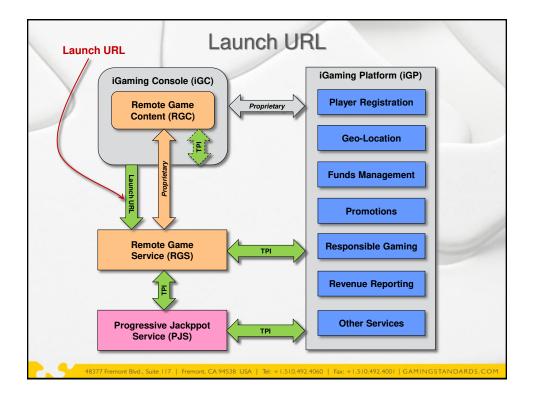


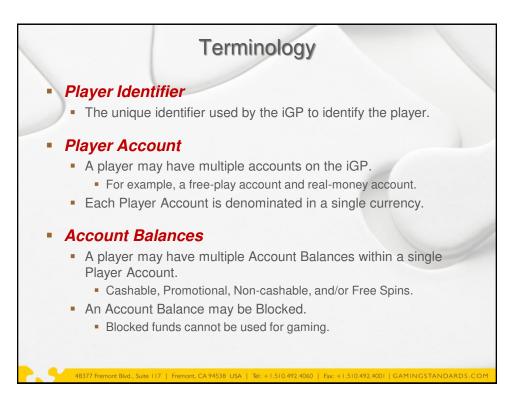


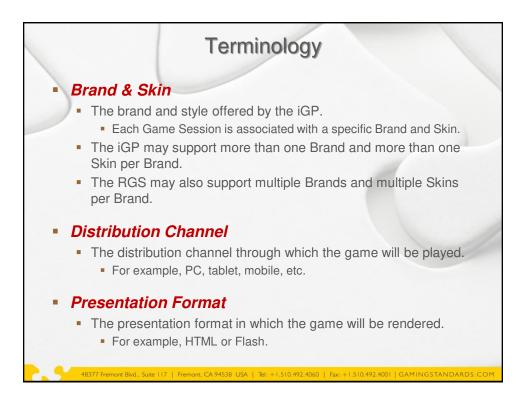


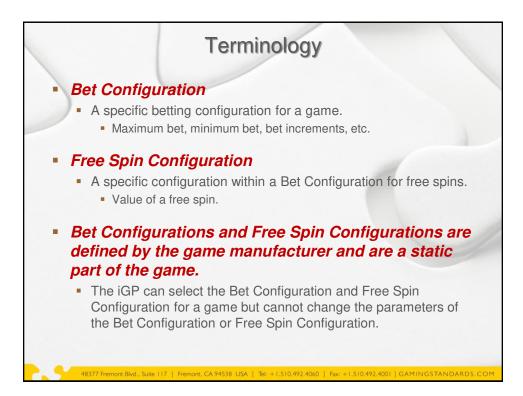


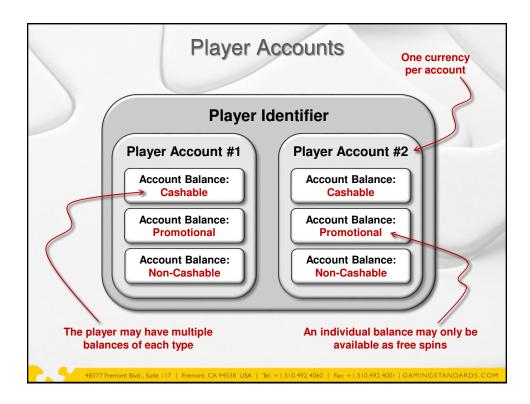


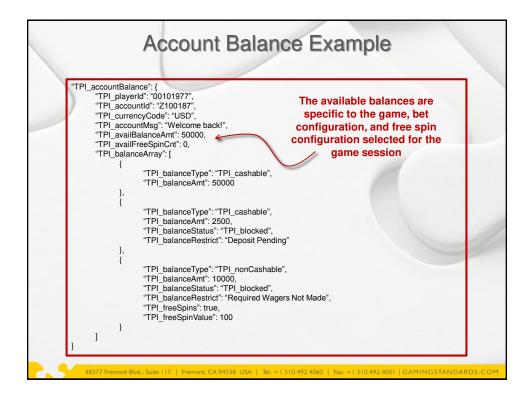


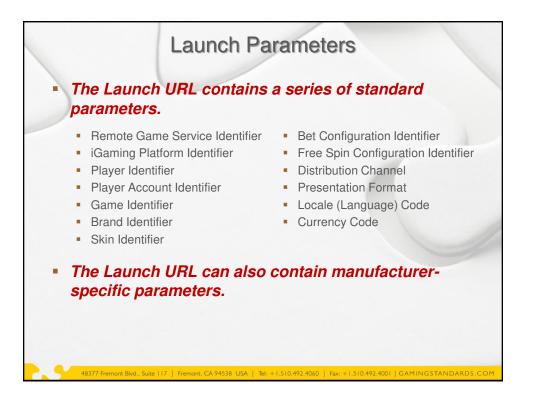


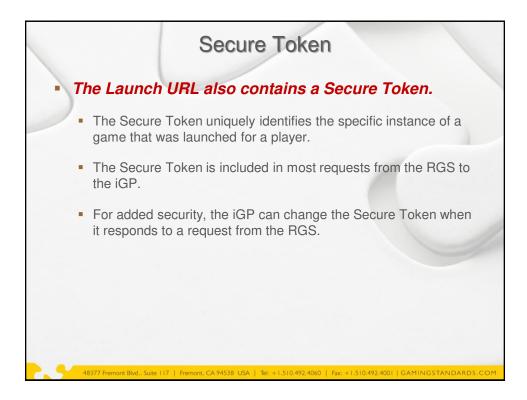


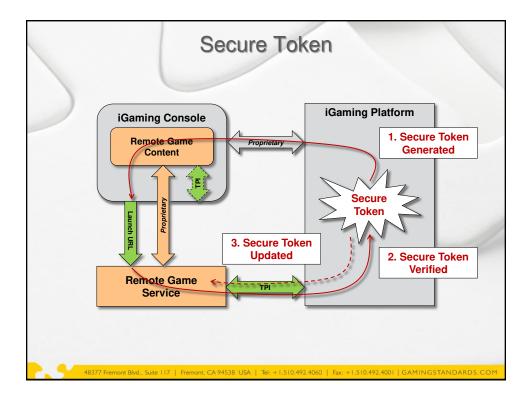


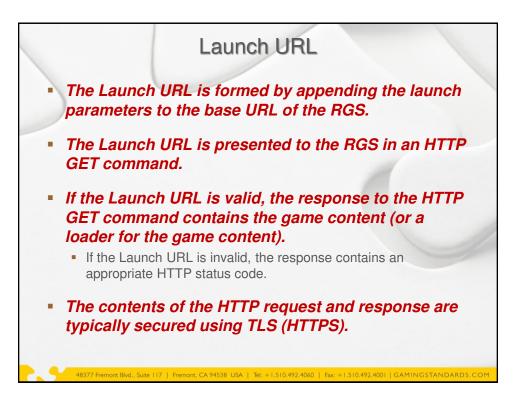


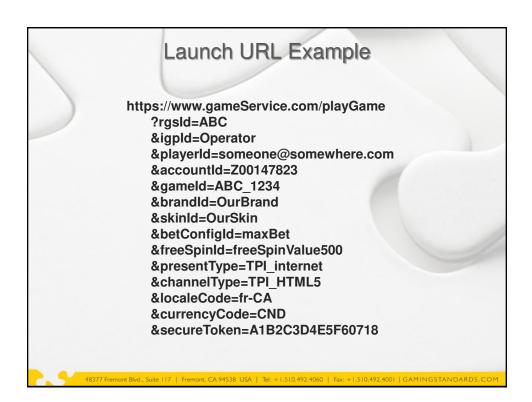


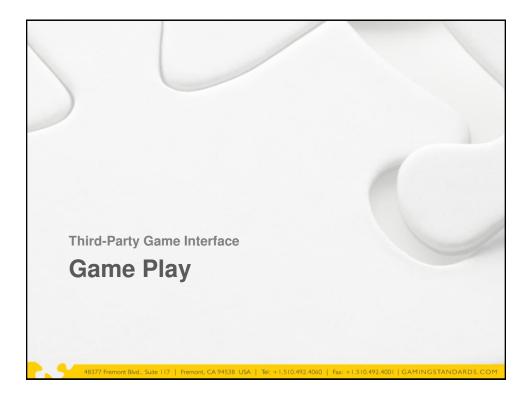


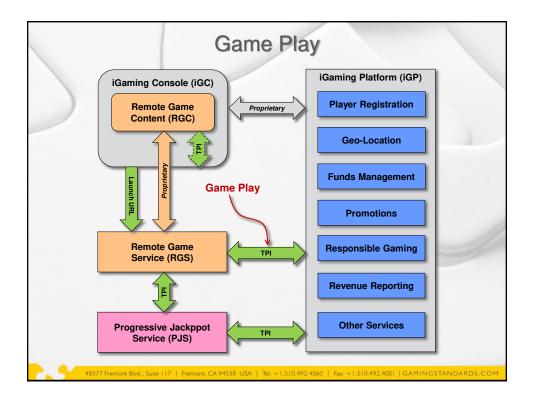




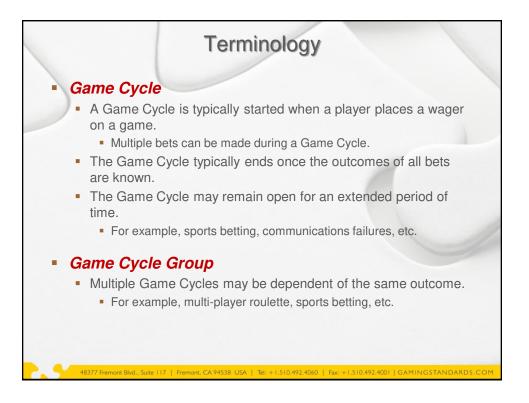


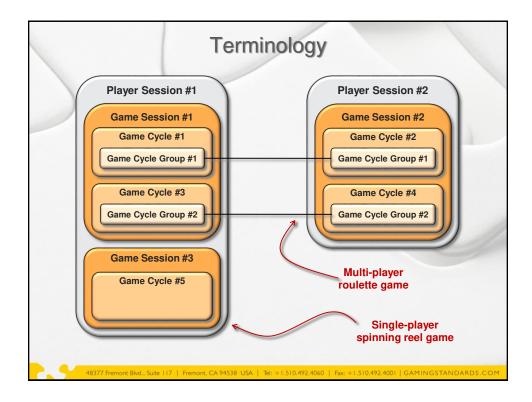


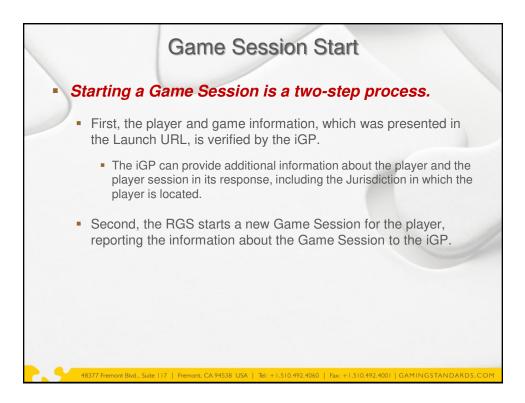


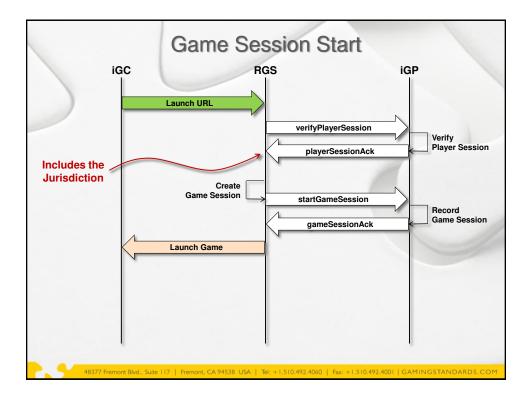


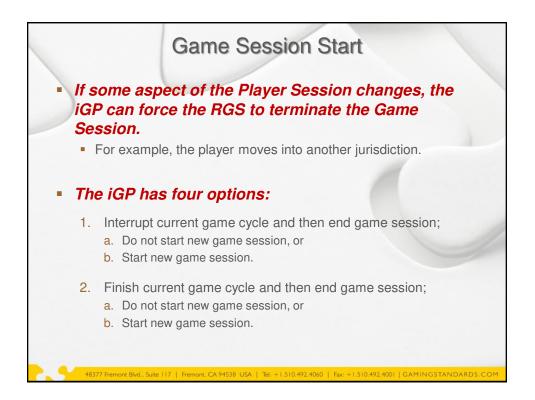


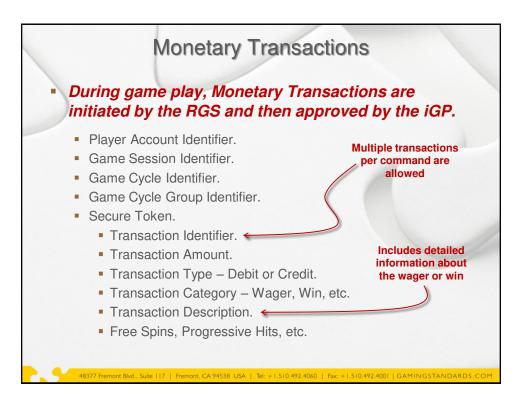


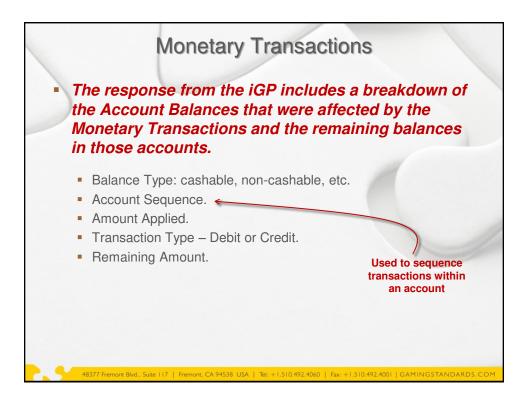


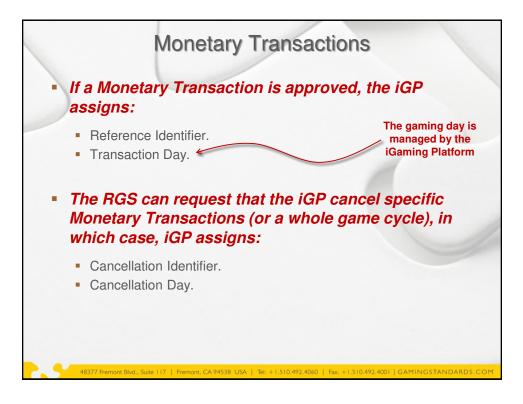


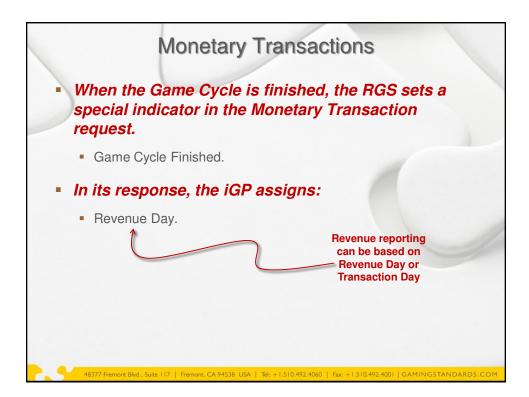


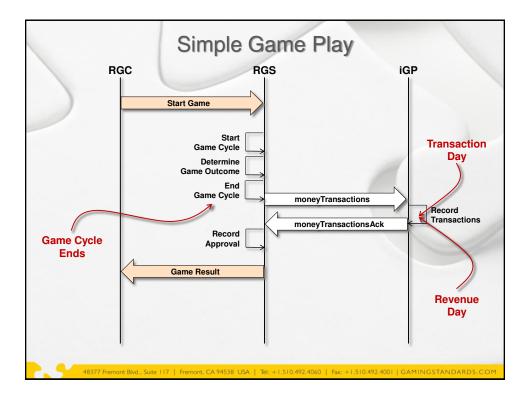


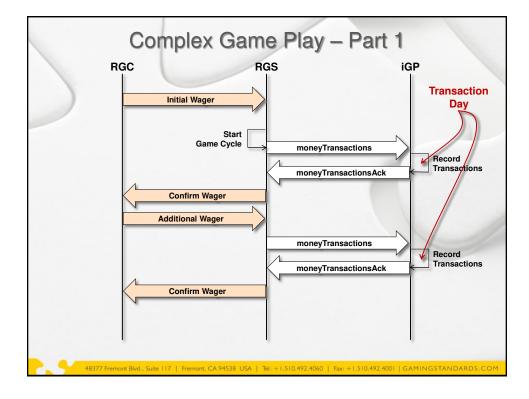


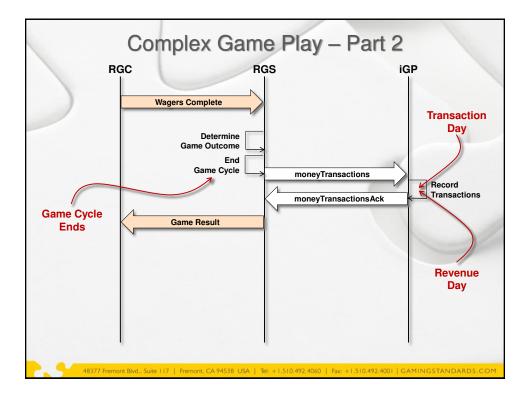


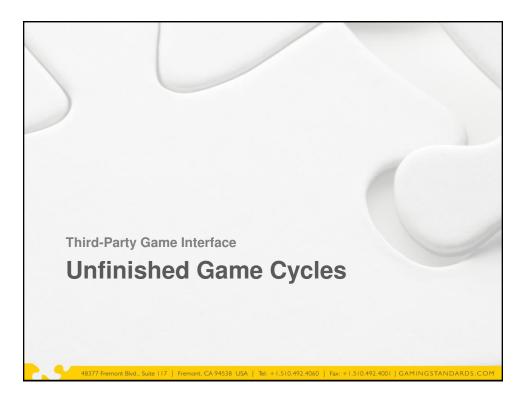


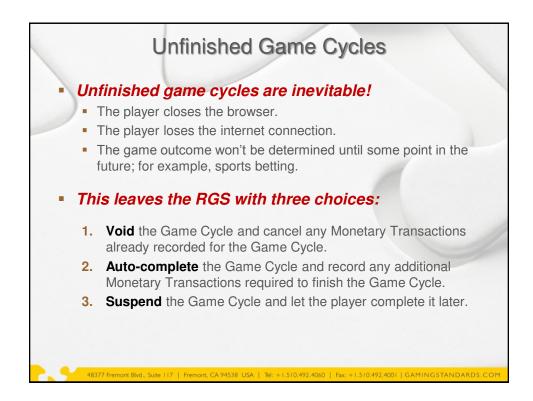


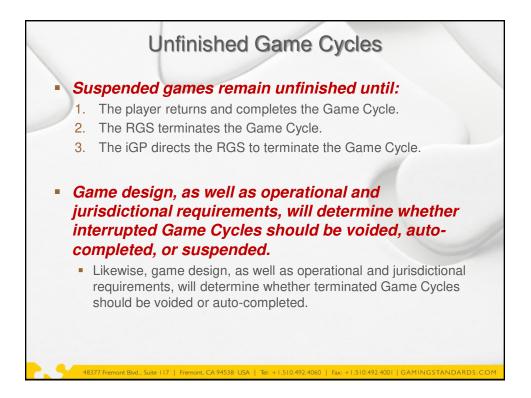


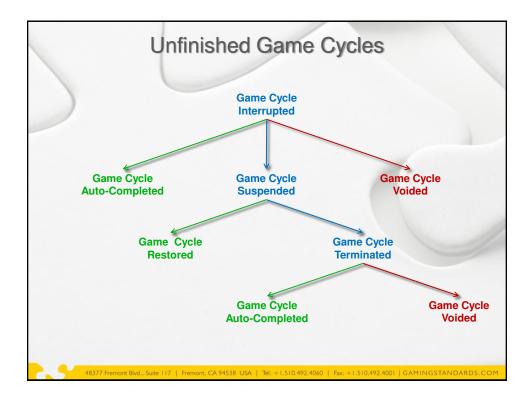


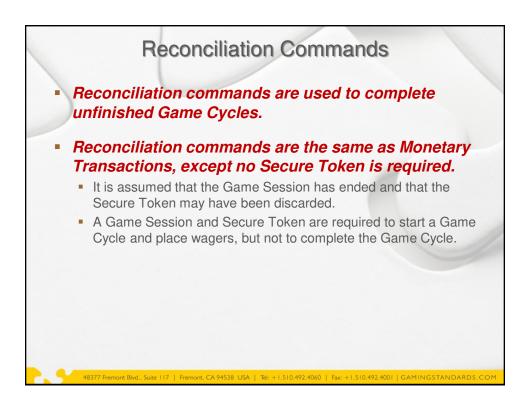


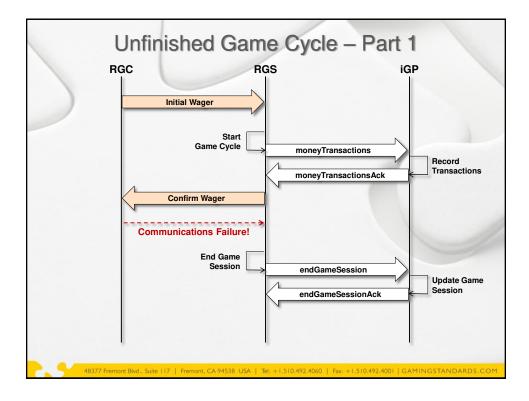


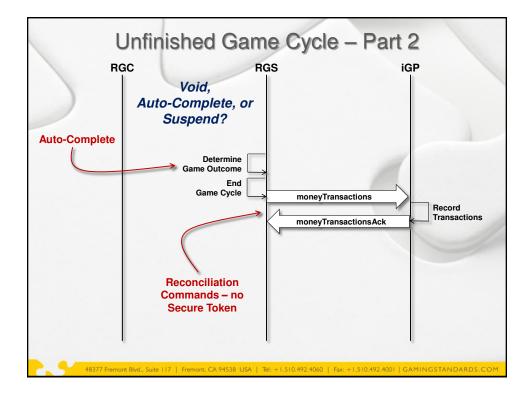




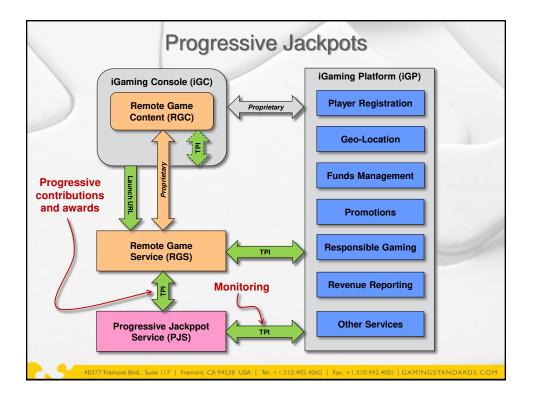


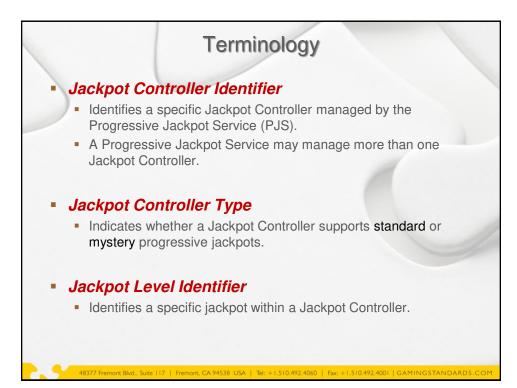


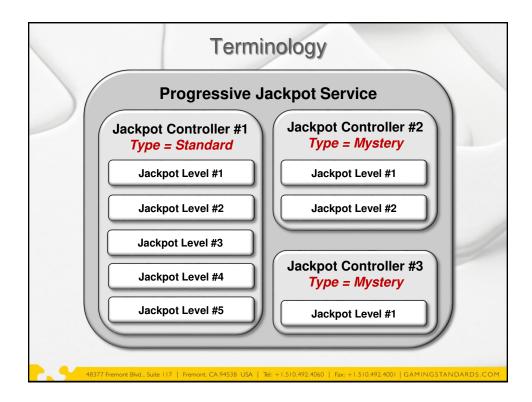


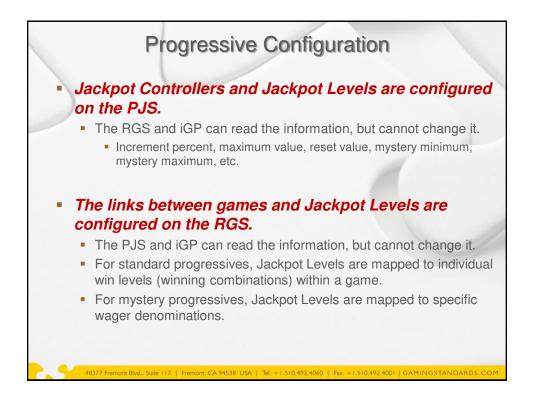


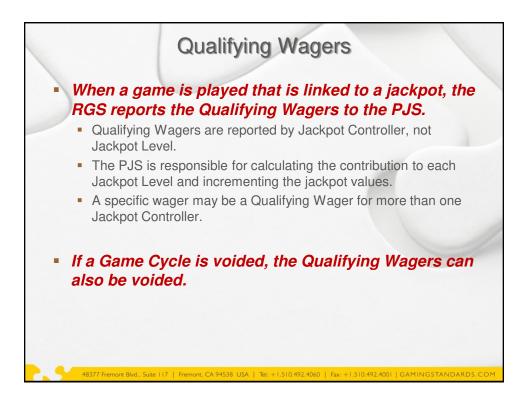


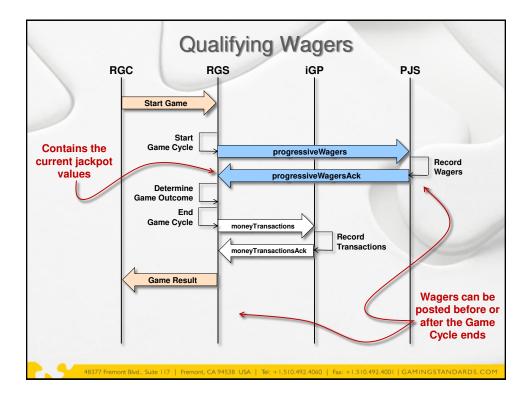


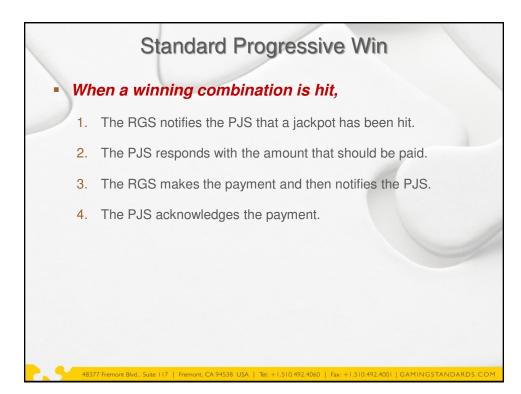


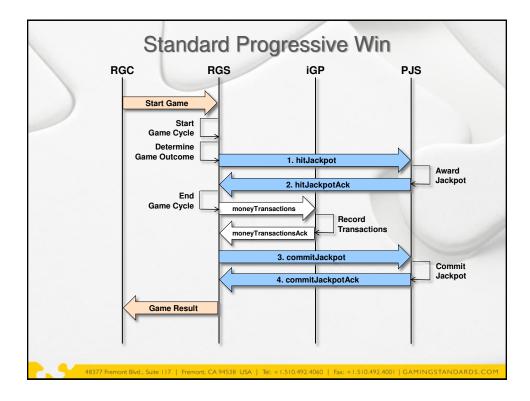


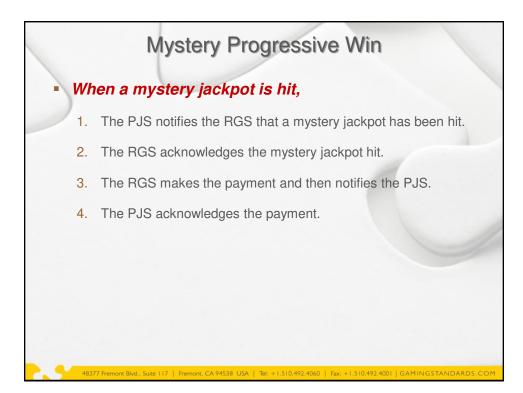


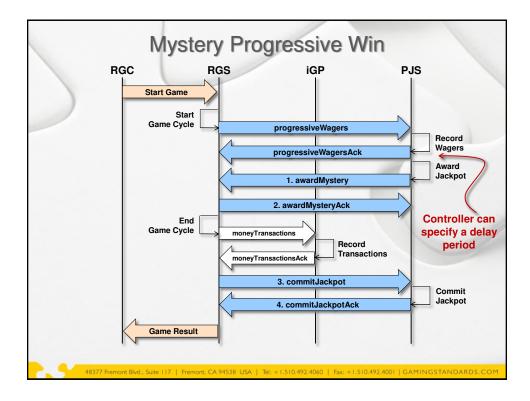


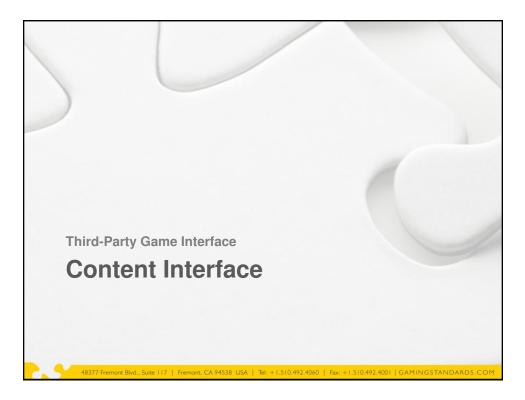


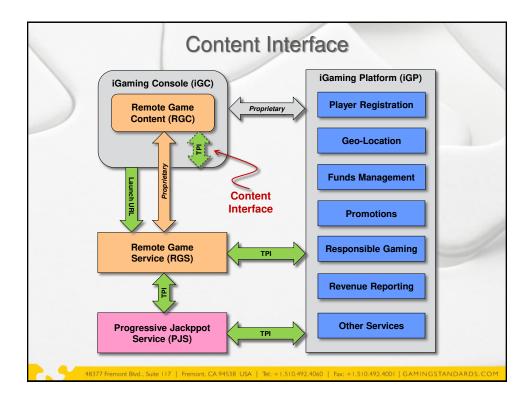


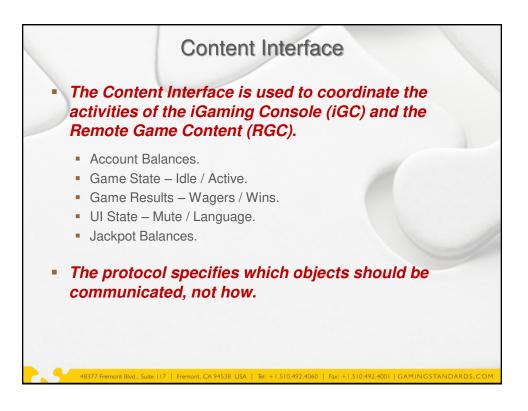


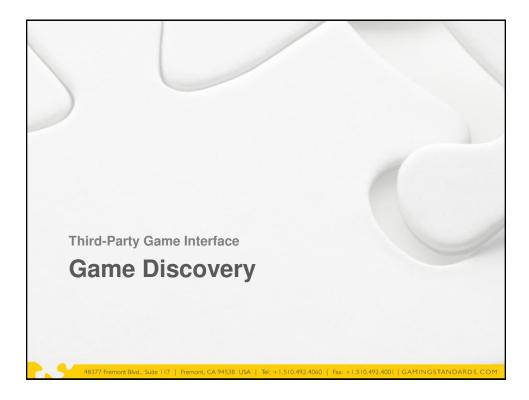


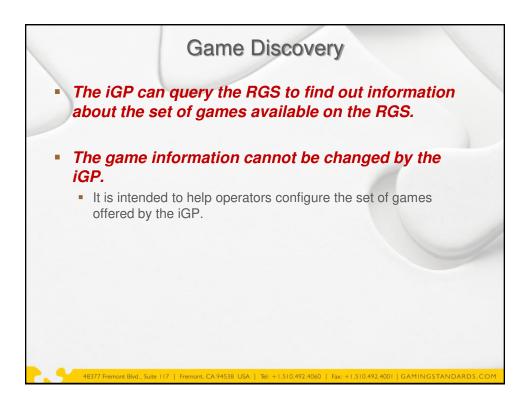












Game Discovery

The information supplied by the RGS includes:

Game Identifier.

- Game Type, Game Title, and Game Description.
- Manufacturer, Release Number, Theme, and Paytable.
- Base URL of the Third-Party Game Service.
- A list of **Distribution Channels** in which the game is available.
- A list of **Presentation Formats** in which the game is available.
- A list of **Locales** (languages) in which the game can be displayed.
- A list of **Currencies** in which that game can be played.
- A list of **Jurisdictions** in which the game has been approved.
- A list of **Betting Configurations** available for the game.
- A list of additional **Manufacturer-Specific Parameters** that can be used when the game is launched.

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