ANNUAL MEETING 2014

The Gaming Standards Association (GSA) is an international trade association that creates benefits for gaming manufacturers, suppliers, operators and regulators.

We facilitate the identification, definition, development, promotion and implementation of open standards to enable interoperability, innovation, education, and communication for the benefit of the entire industry.

GAMING STANDARDS ASSOCIATION

BOARD OF DIRECTORS - 2014

Adrian Marcu	IGT	Chairman
Walt Eisele	Bally Technology	Vice – Chair
Rick Gilhuly	Manitoba Lotteries	Secretary
Mark Pace	WMS Gaming	Treasurer
Jeanne-Marie Wilkins	Isle of Capri Casinos	
Rachel Barber	GTECH	
Keith Wood	Aristocrat Technologies	
Klaus Peltsch	Ontario Lottery & Gaming Corp	
Syed Hussain	Oregon State Lottery	
Tom Beauchamp	Penn National Gaming	
Shay Segev	Playtech	

PLATINUM MEMBERS

AGLC
Alberta Gaming and Liquor Commission
An Agent of the Government of Alberta

ARISTOCRAT

Bally TECHNOLOGIES®

GTECH™

igt®

KONAMI

OLG

playtech
SOURCE OF SUCCESS

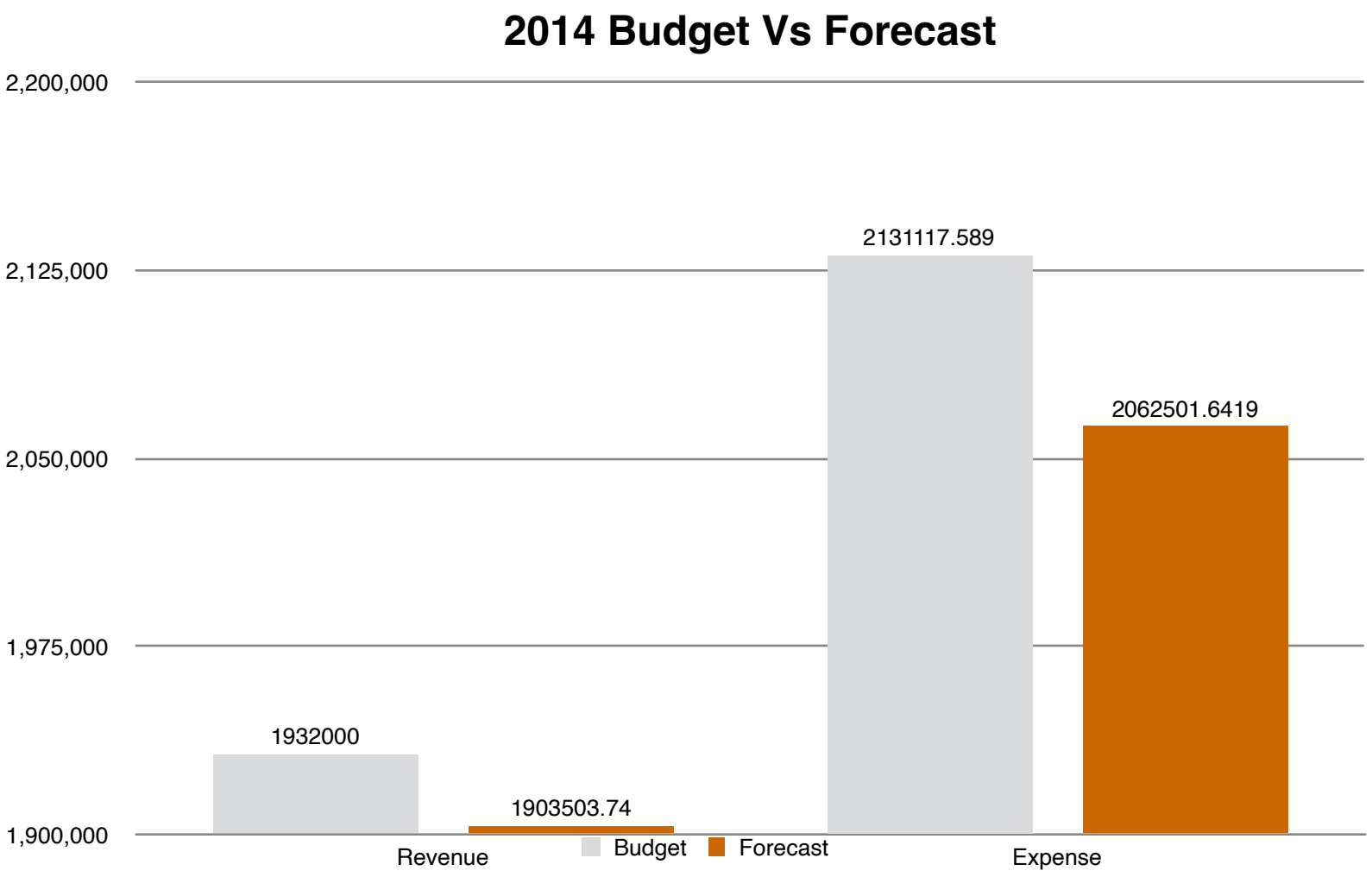
SG
SCIENTIFIC GAMES

SEGA SAMMY
CREATION

Welcome!
Amtek Corporation
Apollo Soft
eBET Gaming Systems
eCash Pty Ltd
Greentube
Interblock
LT Game
Macao Gaming Equipment Manufacturers Assn
Playtech
Reel Time Gaming

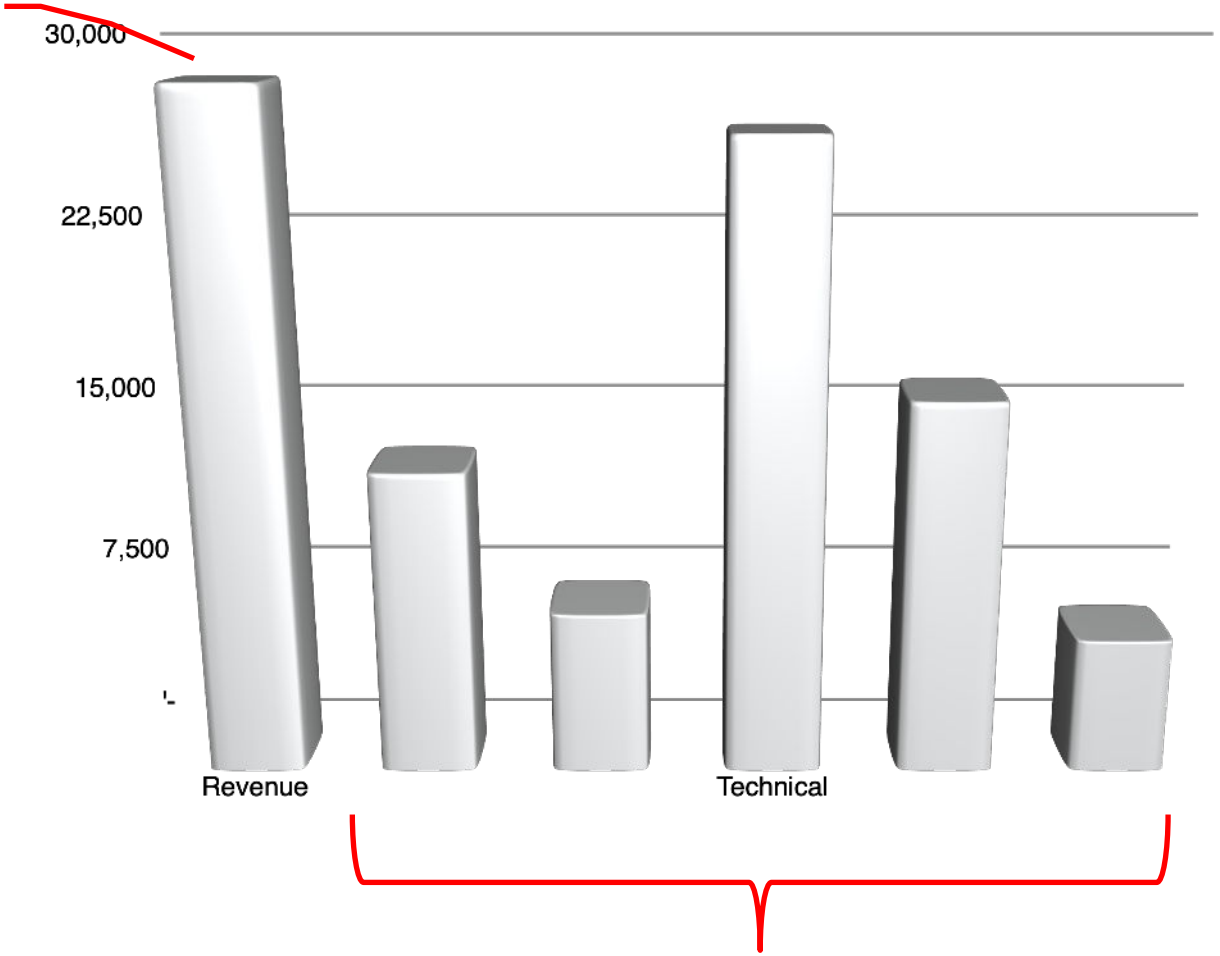
AGENDA

- ✓ **Financial Report**
- ✓ **2014 Update**
- ✓ **2015 Priorities**
- ✓ **Guest Speaker**


2014 Budget Vs Forecast
2,200,000
2,125,000
2,050,000
1,975,000
1,900,000
1932000
1903503.74
2131117.589
2062501.6419
Revenue
Expense
Budget
Forecast

Variance Details

$28,496 Revenue shortfall



$68,616 Total expense savings

STRATEGIC PLAN 2012 – 2017
Key Areas of Focus

- **STANDARDS DEVELOPMENT**
  - We will develop and manage technical standards for the gaming industry
- **STANDARDS ADOPTION**
  - We will work with the gaming industry stakeholders to ensure the adoption of standards
- **INDUSTRY RELEVANCE**
  - We will continue to build on our well recognized brand among gaming industry stakeholders and associates
- **FINANCIAL SUSTAINABILITY**
  - We will continue to run an effective not-for-profit organization ensuring sufficient reserve funds to support our strategy

2014 ACHIEVEMENTS
Building Relationships

Ongoing Discussions With Regulators

- **IAGR, NTGCR, NAGRA, US Regulators**
- **Facilitated Historic Dialogue in Europe**

2014 ACHIEVEMENTS
Building Relationships

20 Conferences And Tradeshows In 7 Countries

Educated

- LT Games, Macau
- Macau Polytechnic Institute
- Playtech, Estonia
- Club New South Wales, Australia (scheduled)

GSA TOOLS

G2S Certification Verification Tool (CVT)

- EGM Compliance Tester Nov. 2014
- Host Compliance Tester July 2015
- EGM Certification Tester April 2016
- Host Certification Tester Nov. 2016

GDS toolkit

- Note Acceptor, Printer, Card Reader, Coin Hopper, Coin Acceptor

SAS toolkit

Did You Know?

GSA FACTS

- Over 192,000 EGMs Support G2S
- Over 145,000 EGMs Support GAT Remote Compliance Verification
- Over 1000 Systems Offer Some Level Of Support For G2S

GLOBAL REACH

The Companies That Have 70% Of The Global Market Place Support G2S!

- ✓ GSA Standards Are Deployed in 76 Countries
- ✓ Greece Has Stipulated the GSA Standard for 35,000 VLTs
- ✓ Club-NSW, Australia, Selected G2S To Monitor 95,000 EGMs

The Player User Interface Story

Kerry Wolfe- Chairman Operators Advisory Committee

Ethan Tower – Protocol Director

COMMITTEE UPDATES

Your Leadership Team!

Committee	Chair	Vice Chair
OAC	Kerry Wolfe (Manitoba Lotteries)	Brian Macsymic (AGLC)
CIC	Dennis Kleppen (IGT)	Jim Hunt (Bally)
S2S	Kevin Higgins (IGT)	Murali Venkataraman (Sci Games)
G2S	Ram Reddy (Bally)	Kevin Higgins (IGT)
GDS	Pat Gustafson (WMS)	Abdul Ali (Aristocrat)
XPT	Erik Petersen (IGT)	Dale Buchholz (WMS)
OGC	Asaf Doran (Playtech)	Klaus Peltsch (OLG)
PUI	John Taylor (Gtech)	Dale Buchholz (WMS)

System-to-System (S2S)

- Finished alignment with G2S.
  Progressive, Bonus, Handpay, Voucher and WAT.
- Updated S2S to allow WebSockets and binary XML (EXI).
- Created new classes for managing mystery jackpots and progressive displays.
- Improved download and software authentication processes.
  - Network GAT specification based on HTTP and REST.
  - Package Manifest File Format that standardizes the way software is delivered download managers.
  - Trusted GAT Results File Format that standardizes the way expected GAT results are delivered to trusted sources.

Game-to-System (G2S)

- Updated G2S to allow WebSockets and binary XML (EXI).
- Produced extensions to meet evolving business needs:
  - Multiple ID Readers,
  - Illegal Door Open Events,
  - Clearance Meters,
  - Stand-Alone Progressive Controllers,
  - Mystery jackpots.
- Worked on standard simplification

Transport (XPT)

- Aligned requirements with changes to underlying standards:
  - HTTP, TLS, PKI, etc.
- Created a new WebSocket transport as an alternative to SOAP.
- Created a new Transport Negotiation specification.

Gaming Device Standards (GDS)

- Developed a new Firmware Manifest File Format for integrating firmware updates into the download process.
- Provided clarifications and corrections

Player User Interface (PUI)

- Focused on the requirements for the Player User Interface
  - Control of the PUI Windows: G2S
  - Communications with the EGM: EMDI
  - Security of communications with 3rd party applications: Transport
  - Environment in which Content Executes: PUI Standard
    - PUI Templates.
    - HTML and Flash requirements.
    - Browser isolation requirements.

Online Gaming Committee (OGC)

- Focused on standards for online gaming
  - Third-Party Game Interface
  - Central Monitoring Standard
  - External Interfaces – Geo-location, Payment Processors, etc.
  - Brick & Mortar Interfaces – Player Tracking, Promotions, etc.

Hot News

Next Release Of
S2S, G2S, Transport, GDS, And
PUI Planned For April 2015!
First Online Gaming Standard!

2015 PRIORITIES

- Finish What We Started
- Increase
  - Adoption
  - Implementation
  - Commercialization
- Increase Funding

Critical Listening Posts

- Regulatory Advisory Committee
- Operator Advisory Committee
- GSA Advisory Board

CREATING AND MANAGING THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

16 Years Of Support By GSA Platinum Members

CREATING AND MANAGING THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

Since 1998 More Than 180 Member Companies Have Participated In GSA

Current

GOLD

Members

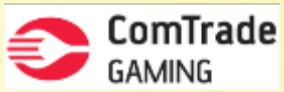
CREATING AND MANAGING THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

1,573 Volunteers Have Contributed Their Time And Expertise Since 1998

Current

SILVER

Members



CREATING AND MANAGING THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

TO CREATE AND MANAGE THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

Current

BRONZE

Members

GAMING STANDARDS ASSOCIATION

FutureLogic

Nanoptix

Gamblit gaming

REEL TIME GAMING

amtek

LTGame

U1 GAMING

JCM GLOBAL

APOLLO GAMES

GrandVision GAMING

FortuNet

greentube NOVOMATIC GROUP

A Nidec Group Company Sankyo All for dreams

interblock LUXURY GAMING PRODUCTS

JUMBO®

Affiliates

eca european casino association

radblue

randomconsulting

澳門理工學院 Instituto Politécnico de Macau Macau Polytechnic Institute

MUSL

gta

MGEMA 澳門娛樂設備廠商會 Macau Gaming Equipment Manufacturers Association

UNLV

CREATING AND MANAGING THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

Who is GSA Today?

68 professionals driving your technical standards!

13 Board Members

Jeff Wyton	AGLC
Keith Wood	Aristocrat
Walt Eisele	Bally
Rachel Barber	GTECH
Adrian Marcu	IGT
Jeanne-Marie Wilkins	IOC
Rick Gilhuly	MLLC
Klaus Peltsch	OLGC
Syed Hussain	OSL
Tom Beauchamp	Penn
Shay Segev	Playtech
Mark Pace	SG / WMS

7 Staff Members

Peter DeRaedt
- President

Michelle Olesiejuk
- Executive Director

Lisa Rodriguez
- TECH PROJ MGR

Sharon Walters
- MARKETING MGR

Ethan Tower
- PROTOCOL DIRECTOR

Oscar Salgado
- TECHNICAL WRITER

Jeana Hines
- TECHNICAL WRITER

8 Committees 48 Participants

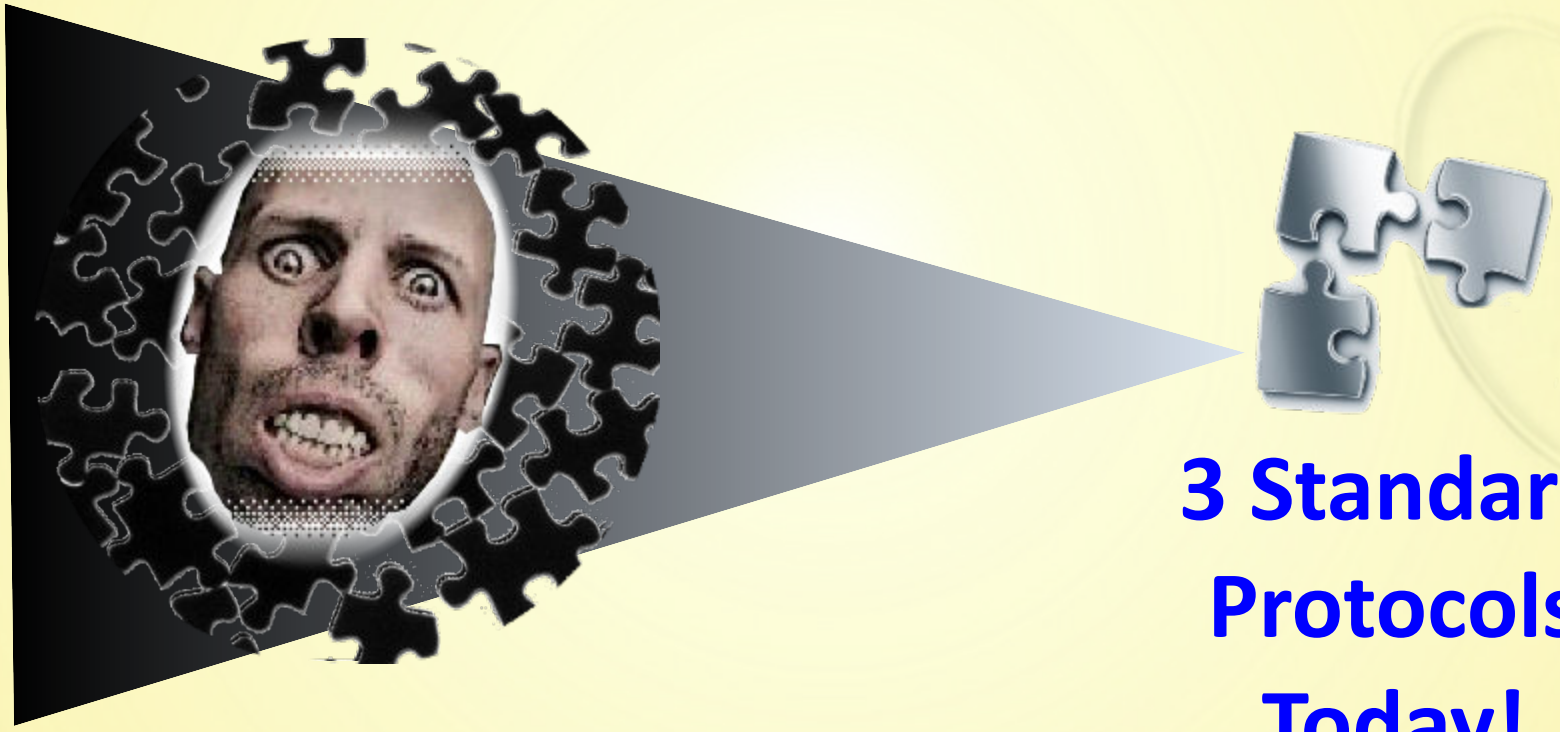
Certification & Interoperability	CIC
Game To System	G2S
System To System	S2S
Gaming Device Standards	GDS
Player-User Interface	PUIC
Transport Committee	XPT
Online Gaming Committee	OGC
Operator Advisory Committee	OAC

CREATING AND MANAGING THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

Stop The Chaos!

1998

2014

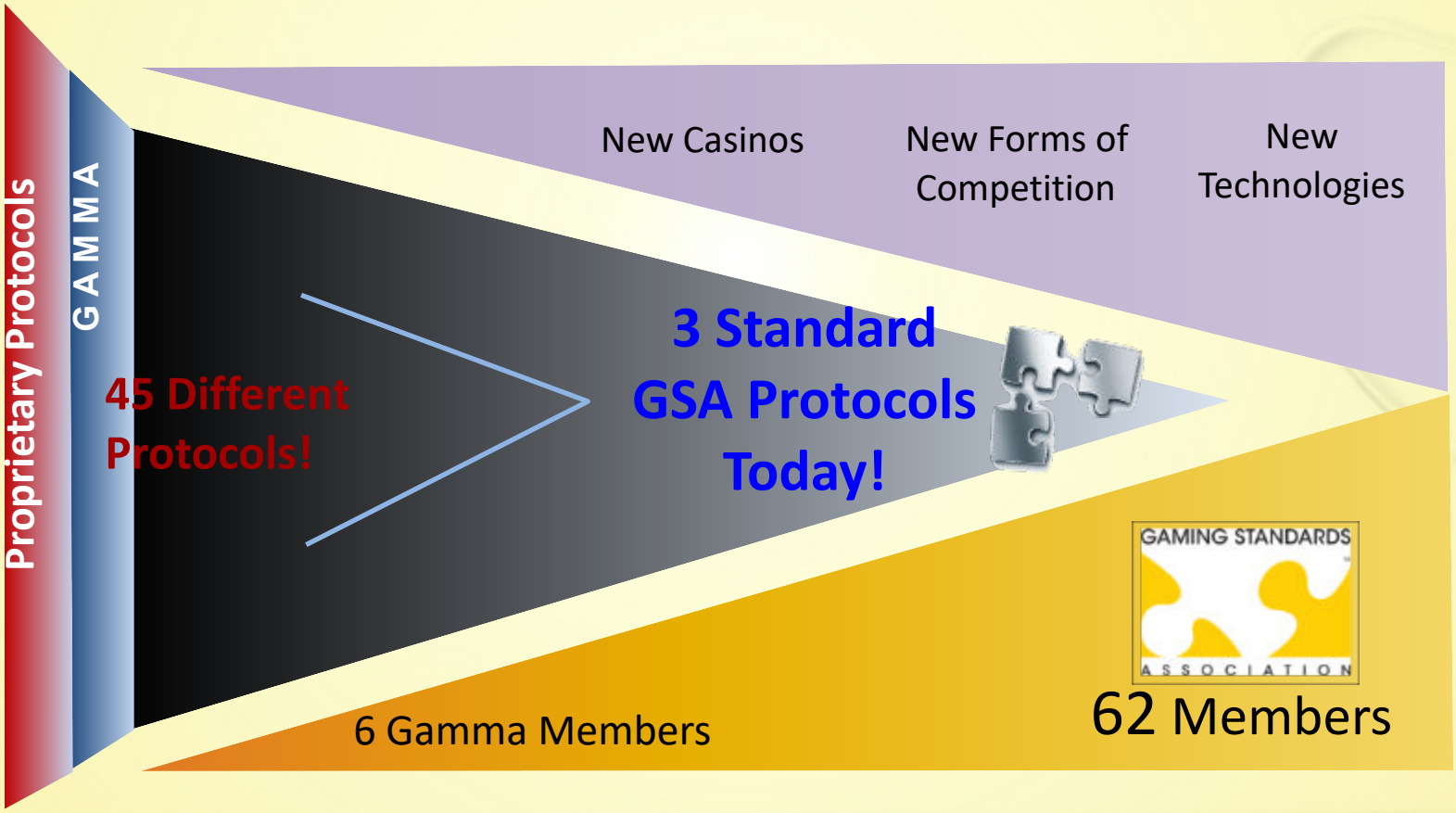


45 Different Protocols!

3 Standard Protocols Today!

GSA Supports Industry Growth

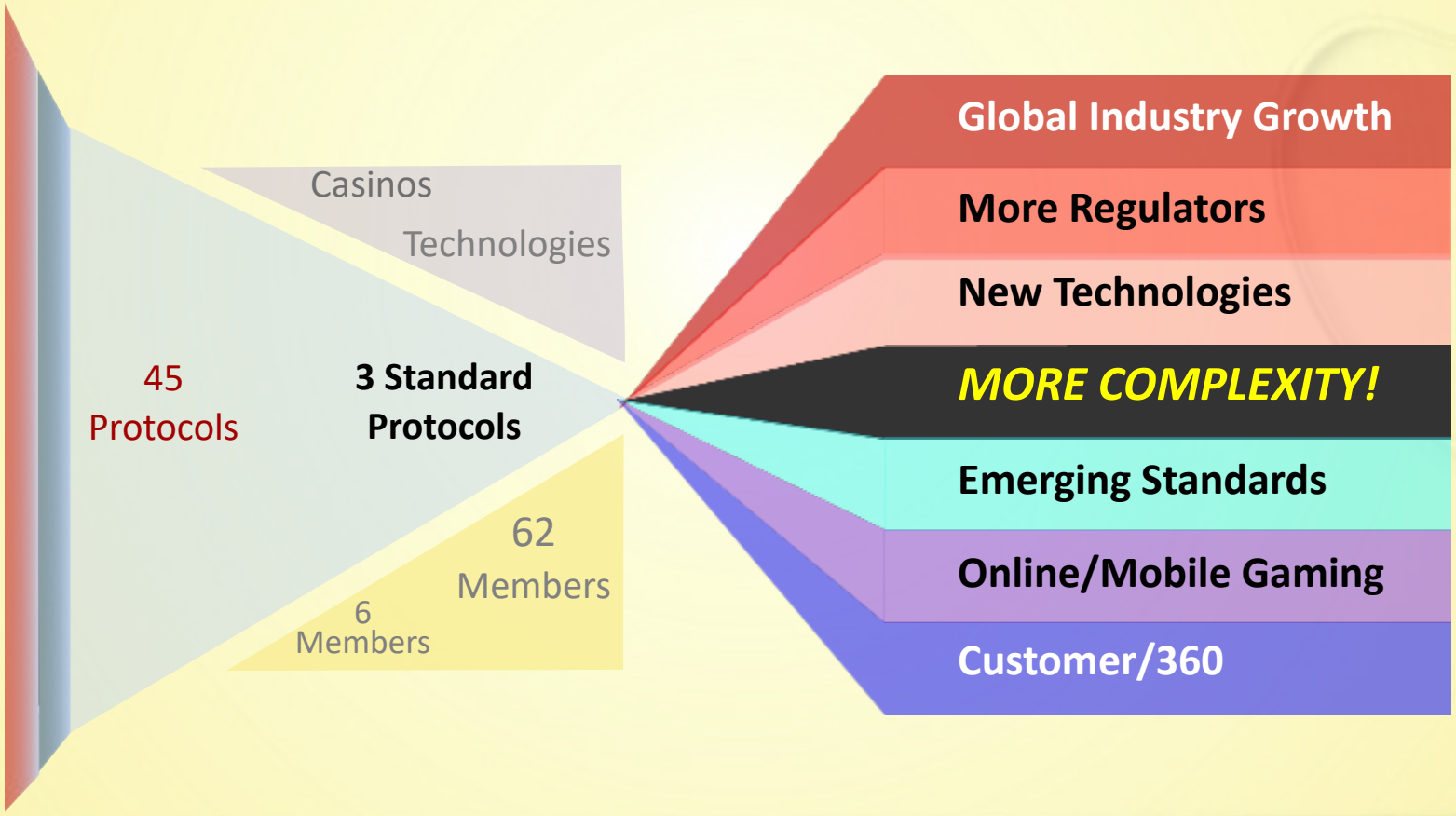
1998 2014



CREATING AND MANAGING THE STANDARDS THAT DRIVE THE GAMING INDUSTRY

… But the Growth and Need Continues

1998 **2014** 2015 2016 2017 2018 …beyond



Physician
Heal Thyself!

ANNUAL MEETING 2014
Let's Keep Building!
GAMING STANDARDS
ASSOCIATION