



Gambling Equipment Testing

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Electronic Gambling Lab

“PROTECT THE PUBLIC BY ENSURING THAT GAMBLING IS LEGAL AND HONEST”

Electronic Gambling Lab



Regulatory Support

- New technology evaluations
- Investigations
- Risk analysis
- Training
- Inspections
- Internal controls
- Security standards and practices
- Technical standards

Gambling Equipment Testing



Tribal Lottery
Card shufflers
Bingo
Electronic table games

Electronic Pull Tabs
Progressive tracking
Keno
Roulette

Independent Test Labs



Submission Process

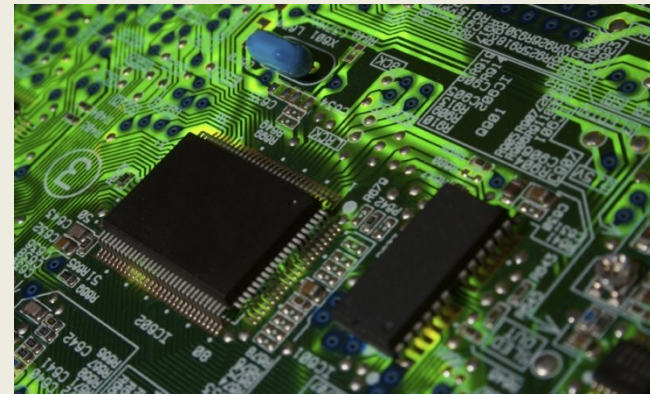
- Review documentation
- Analyze device/system
- Identify potential issues
- Develop test script
- Test
- Approve or disapprove
- Follow up
- Implementation and regulation

Testing Approaches



- Functional
- Grey-box
- Regulator's perspective
- Regression
- Integration

Slot Machine (Stand Alone)



Random Number Generator



\$0

\$1

\$0

\$0

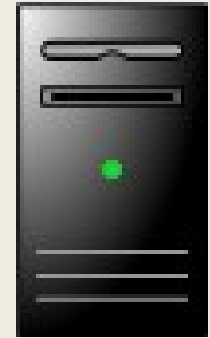
\$50

Tribal Lottery System

MANUFACTURING COMPUTER



CENTRAL COMPUTER



**ELECTRONIC SCRATCH
TICKETS**

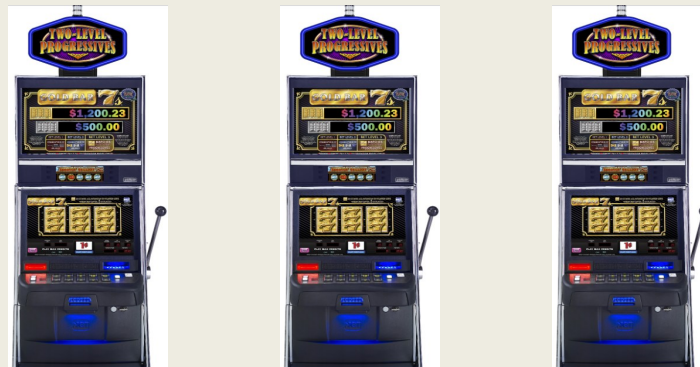


\$0

\$10

\$5

**ELECTRONIC SCRATCH
TICKETS**



PLAYER TERMINALS – CASINO FLOOR

Common Findings

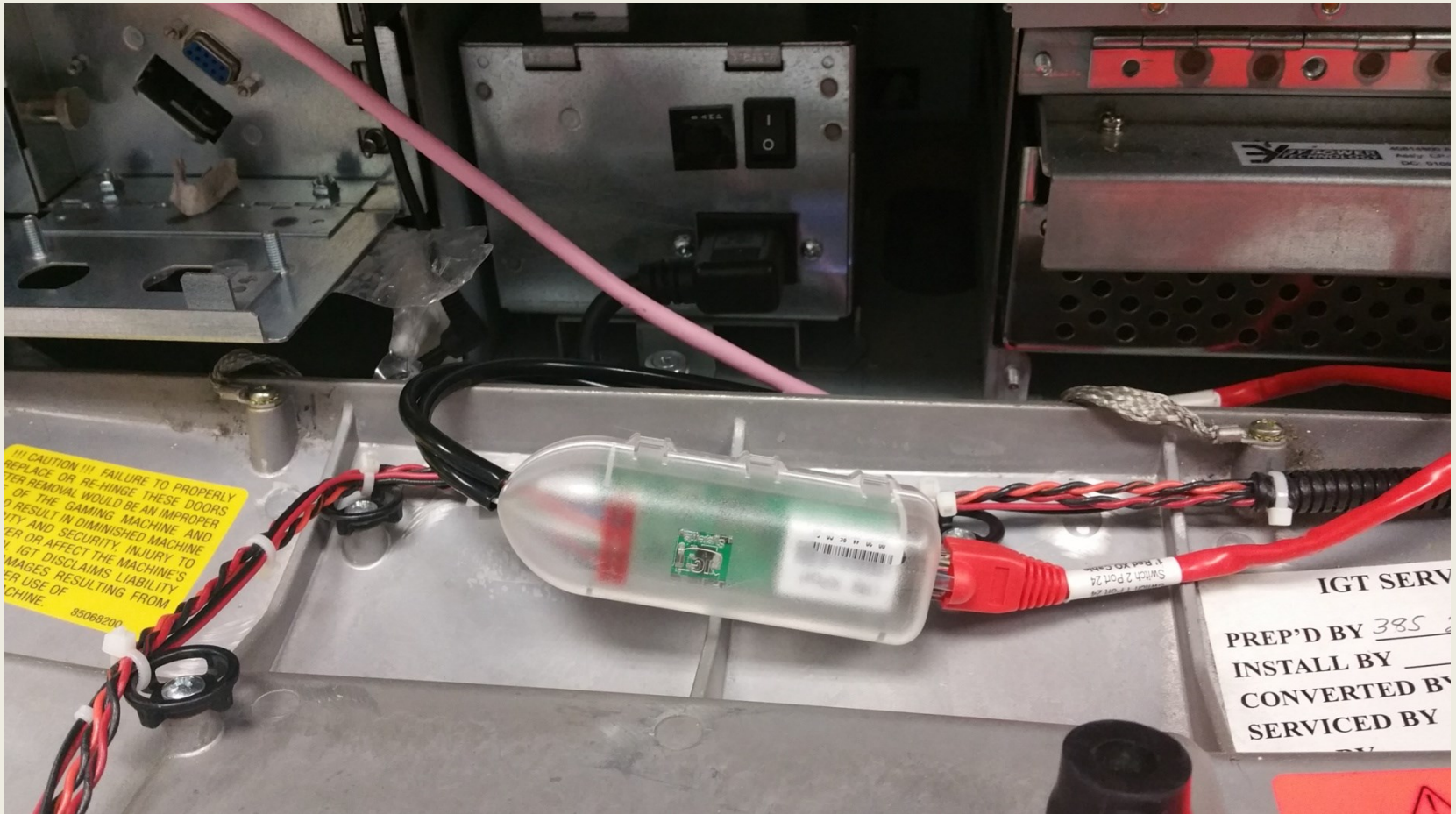


- Reporting
- Security
- Encryption
- Technical Standard Non-Compliance

Example - Mindplay



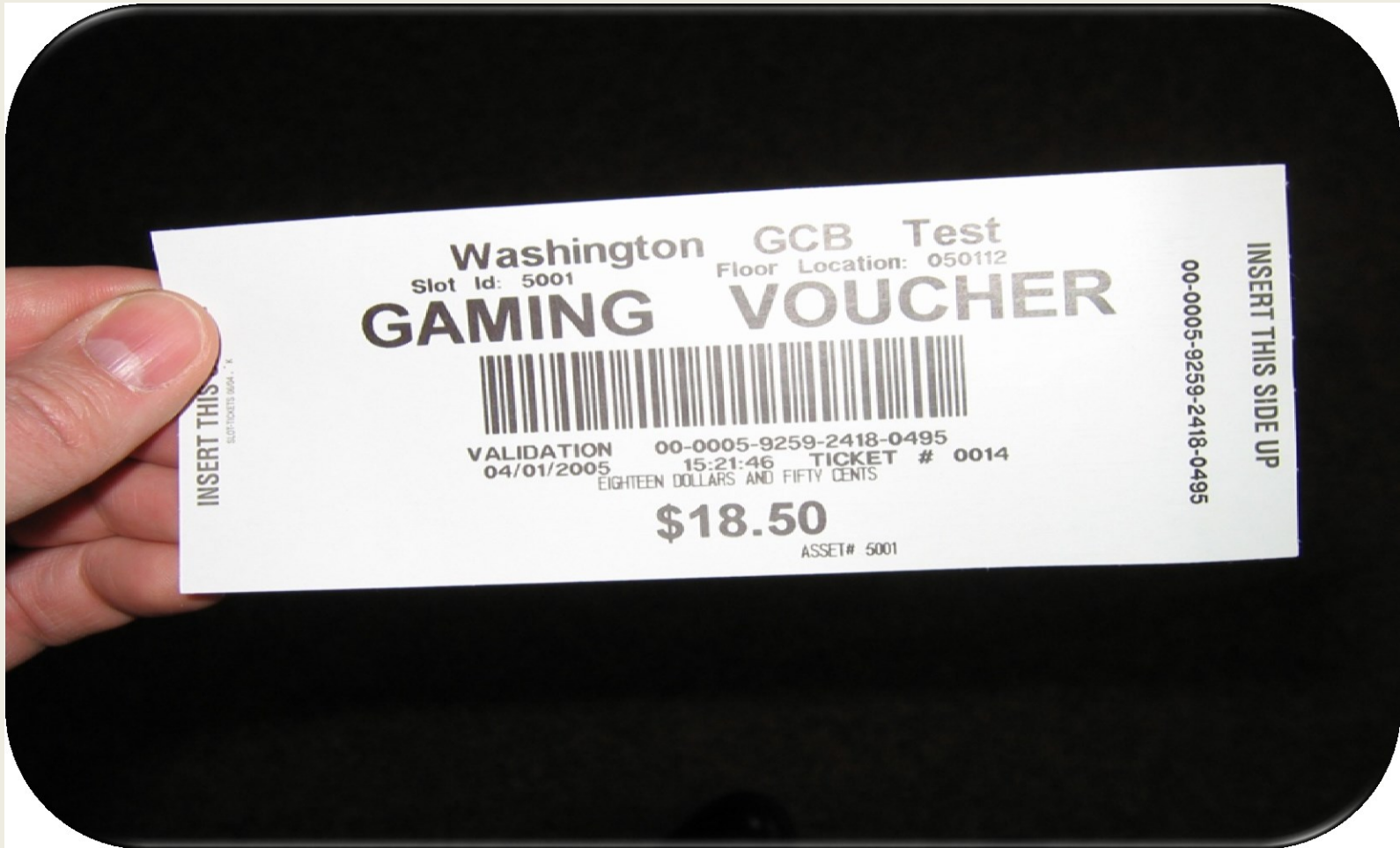
Example – “Twinkie”



!!! CAUTION !!! FAILURE TO PROPERLY
REPLACE OR RE-HINGE THESE DOORS
AFTER REMOVAL WOULD BE AN IMPROPER
OF THE GAMING MACHINE AND
MAY RESULT IN DIMINISHED MACHINE
LIFE, SAFETY OR SECURITY. INJURY TO
PROPERTY OR AFFECT THE MACHINE'S
OPERATION. IGT DISCLAIMS LIABILITY
FOR DAMAGES RESULTING FROM
IMPROPER USE OF
THIS MACHINE.
85068200

IGT SERVICE
PREP'D BY 385
INSTALL BY _____
CONVERTED BY _____
SERVICED BY _____

Example – TITO



Example – ITL



Post Approval

- Training
- Pre-operational inspections
- Manufacturer certification
- Internal controls
- Ongoing inspections
- System incident reporting and investigation

Regulatory Challenges

- Lab environment vs live environment
- Vendors
- Operators
- Staff training
- Management
- Government to government relationships

Thank you!

Questions?