


Auditing 543.20



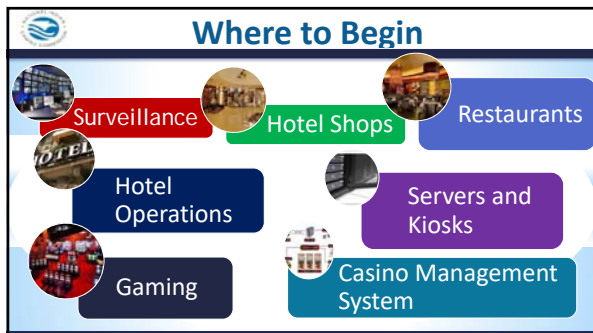
Information Technology Division

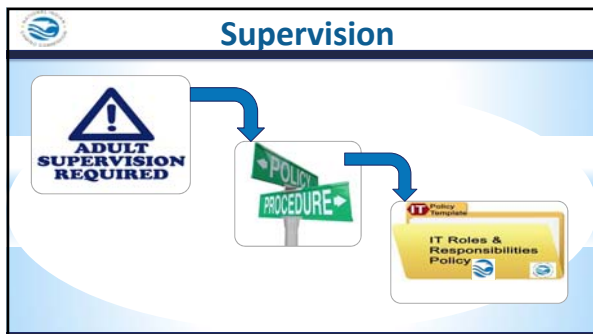
What to Expect

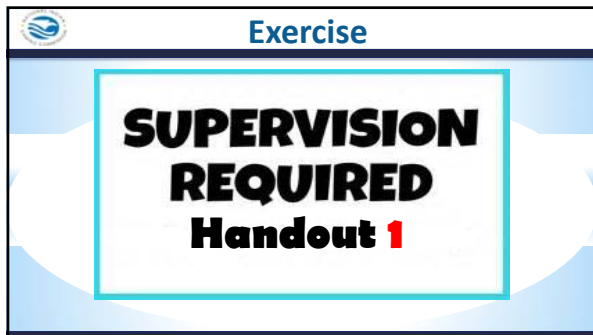
- Supervision - CFR543.20a
- Class II Gaming Logical and Physical Controls - CFR543.20c
- Physical Security - CFR543.20d
- Logical Security - CFR543.20e
- User Controls - CFR543.20f
- Remote Access - CFR543.20h
- Data Backups - CFR543.20j


What to Expect

- Software Downloads - CFR543.20k
- Verifying Downloads - CFR543.20l
- Installation and/or modifications - CFR543.20g
- Incident monitoring and reporting - CFR543.20i

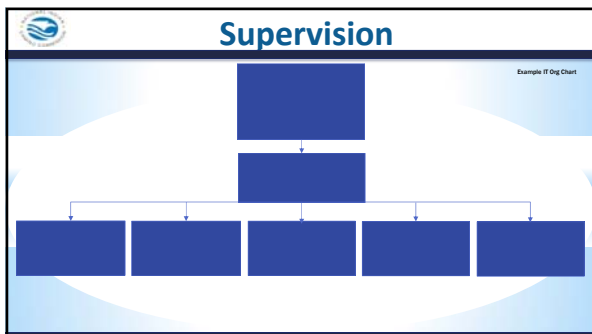







 **Exercise 1 - Handout #1**


On Handout #1 - fill in the supervision hierarchy from top to bottom.
(Note: you have more job titles than spaces)




 **Class II Gaming Systems Logical and Physical Controls**

Importance of:


- Tribal Internal Controls or (TICS)
- System of Internal Controls or (SICS)



 **Ask Yourself**


1. Who is in charge?
2. Should this person be independent of the class II system?
3. What methods (i.e. policy &/or procedure) are in place to detect errors or fraud?


5

 **Ask Yourself**

4. Should that person have access to accounting, audit entries, or payouts?
5. Is there an audit procedure? How is the audit completed and how is it recorded?

5

 **Physical Security**




Access History / Access Audit

Physical Access

Data & Hardware Separation


Which Personnel Have Access


 Ask Yourself

1. Are the policy and procedures in place?

2. Who is responsible or has access?

4




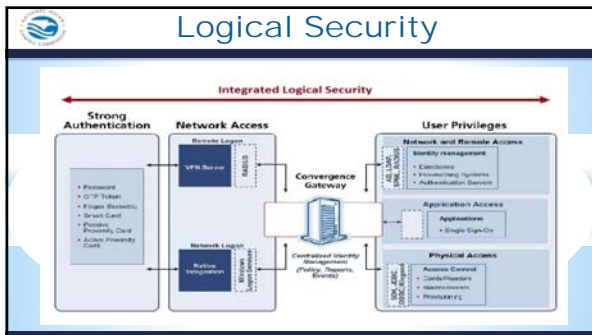
 Ask Yourself


3. What group or who is recording and why?

4. Should that person be in the area?

4






 Ask Yourself


1. What policy and/or procedure exists?
2. Is there access to the data?
3. Who manages the rights and roles of those terminations?
4. Audit process for those records and how often reviewed?


8

 Ask Yourself

5. Are robust passwords policies and procedures in place?
6. Are policy and procedures in place for network ports to be disabled?
7. What type of data encryption is in place?
8. Who ensures software is verified?

8

 Physical vs Logical Security

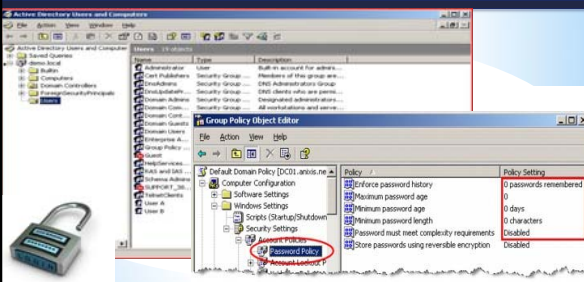


Handout 2

INSTRUCTIONS

Using all the terms at the bottom of the handout. Place the terms in the correct column.

User Controls



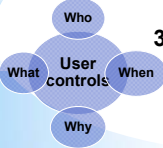
The screenshot shows the Group Policy Object Editor for the Default Domain Policy. The left pane shows the tree structure with 'Security Settings' expanded. The right pane shows the 'Password Policy' settings, including 'Enforce password history' (checked), 'Minimum password age' (0 days), 'Maximum password age' (90 days), 'Minimum password length' (8 characters), 'Password must meet complexity requirements' (checked), and 'Store passwords using reversible encryption' (disabled). A red box highlights the 'Password Policy' section.

Ask Yourself

1. Who is assigned to control, update or modify system functions?

2. Are there roles and responsibilities for controls and are they approved by the TGRA?

3. Are user controls recorded with Who, When, Why and What was completed?



Passwords

Online password strength checking site:
<http://howsecureismypassword.net/>


<p style="font-size: small;">UNCOMMON (NON-COMMON) BRISE WORD</p> <p style="font-size: x-large; font-weight: bold; text-align: center;">T<small>r</small>0ub4dor & 3</p> <p style="font-size: small;">CAPS? COMMON SUBSTITUTIONS NUMERICAL PUNCTUATION</p>	<p style="font-size: small;">~28 BITS OF ENTROPY</p> <p style="font-size: small;">2²⁸ = 3 BITS AT 1000 GUESSES/SEC</p> <p style="font-size: small;">DIFFICULTY TO GUESS: EASY</p>
<p style="font-size: small;">FOUR RANDOM COMMON WORDS</p> <p style="font-size: x-large; font-weight: bold; text-align: center;">correct horse battery staple</p>	<p style="font-size: small;">~44 BITS OF ENTROPY</p> <p style="font-size: small;">2⁴⁴ = 530 YEARS AT 1000 GUESSES/SEC</p> <p style="font-size: small;">DIFFICULTY TO GUESS: HARD</p>

Remote Access

Remote Access


Monthly Logon/Logoff Report

Logon	Logout	Group	Computer	Port	Remote IP	Username	Logon Type	Duration
VendorName of individual performing								
Wed 2017-24-01 03:23:43PM	Wed 2017-24-01 04:25:44PM	Casino	Name DB Server	4025	10.70.158.129	work	Terminal Services	1h 2m 41s
VendorName of individual performing								
Thur 2017-24-01 03:23:43PM	Thur 2017-24-01 04:25:44PM	Casino	Name DB Server	4076	10.70.158.145	work	Terminal Services	1h 2m 41s
VendorName of individual performing								
Tue 2017-24-01 03:23:43PM	Tue 2017-24-01 04:25:44PM	Casino	Name DB Server	5284	10.70.158.121	work	Terminal Services	1h 2m 41s


 **Ask Yourself**

Is there a Process for remote access that includes:

1. When, Why and What was done during the remote access session and when the access was closed or terminated and by whom?




3

 **Ask Yourself**

Is there a Process for remote access that includes:

2. Who was granted access, and who granted the access? License?
3. Is the remote access being done with a secure method? What is that method?




3


 **Exercise 3 – Handout #3**


Handout 3




 **INSTRUCTIONS**


1. Break into groups and working together read each scenario, and identify the issue(s).
2. Locate the corresponding MICS standard using the IT Toolkit.
3. Then write a finding and include a recommendation.


 **Data Backup**



 **Ask Yourself**


1. What is the backup process for all critical information and programs; is it stored in a means that is adequately protected from loss?
2. How often are the backups performed?



 **Ask Yourself**

3. Is the information mirrored for redundancy and can the data be restored if required?

4. How often is this data backup process tested?



 **Software Downloads**



 **Verifying Downloads**


Verified By


YOU!


  

 **Installations &/or Modifications**


Casino Management System 	Surveillance 
Hotel Shops 	Hospitality 

 **Ask Yourself**


1. Are only authorized and approved systems being installed or modified and is it being verified to a checklist?
2. Are these actions being recorded, if so with Whom, When, Why and What was accomplished?



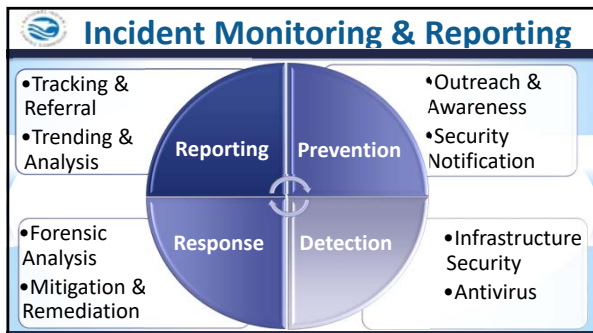
3

 **Ask Yourself**

3. Are there instruction manuals or booklets that describes the system and how its maintained?



3



Ask Yourself

1. What are the policies and/or procedures for responding to, monitoring, investigating and resolving all security incidents that is approved by the TGRA?
2. What time period has been established with the TGRA for supporting documentation to be supplied?

2

Questions

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 **Course Evaluation**

- Provide an honest assessment of your experience
- Written suggestions and comments are greatly appreciated and allow us to improve your experience