

WECC

CIP-004-6 Access Management and Revocation Program

Compliance Workshop November 14, 2017

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Impact on Reliability

Ensure entities are informed of best practices for authorizing, maintaining, and revoking access rights to BES Cyber Systems

CIP Data Set Addendum

- Personnel Tab
 - Outlined in NERC's CIP Version 5 Evidence Request User Guide
 - Will be updated by 2018
 - The purpose for this change is to:
 - Decrease the number of data requests
 - Provide populations of personnel that will be used for generating sample sets

Personnel Tab

- Personnel information
- Transfer or reassignments
- Terminations

Personnel Information

CIP-004-6 Request For Information.xlsx - Excel

File Home Insert Draw Page Layout Formulas Data Review View Tell me what you want to do

J24

	A	B	C	D	E	F	G
1	CONFIDENTIAL						
2							
3	Index	Unique Identifier (Employee Number, Badge Number, etc.)	Individual's Full Name	Personnel Type	Individual's Company	Position/Job Title	Was Initial Access Granted During the Audit Period, either electronic, physical, or information?
4	1	126	Stacia Carron	Employee	WECC	Associate Compliance Auditor, Cyber Security	TRUE
5	2						
6	3						

Personnel Information

- Unique identifier (employee number, badge number)
- Individual's full name
- Personnel type (contractor, employee, etc.)
- Position/job title
- Was initial access (electronic, physical, BCSI) granted during the audit period?

Transfer or Reassignment

CIP-004-6 Request For In

File Home Insert Draw Page Layout Formulas Data Review View Tell me what you want to do

I19

	A	B	C	H	I	J
1	CONFIDENTIAL					
2					Transfer or Reassignment	
3	Index	Unique Identifier (Employee Number, Badge Number, etc.)	Individual's Full Name	Did Access Permissions Change During the Audit Period?	If Individual was Transferred or Reassigned During the Audit Period and had some type of access revoked, Date of Action?	What access was revoked due to Transfer or Reassign Action?
4	1	126	Stacia Carron	TRUE	05/20/16	unescorted physical
5	2					
6	3					

Transfer or Reassignment

- Did access permissions change during the audit period?
- If individual was transferred or reassigned during the audit period and had some type of access revoked, date of action
- What access was revoked due to transfer or reassign action?

Terminations

The image shows a screenshot of an Excel spreadsheet. The ribbon at the top includes File, Home, Insert, Draw, Page Layout, Formulas, Data, Review, and View. The active cell is I19. The spreadsheet contains a table with the following structure:

	A	B	C	K
1	CONFIDENTIAL			
2				Terminations
	Index	Unique Identifier (Employee Number, Badge Number, etc.)	Individual's Full Name	If Individual Was Terminated During the Audit Period, Date of Termination Action
3				
4	1	126	Stacia Carron	
5	2			

Terminations

- If individual was terminated during the audit period, date of termination action
- Types of access authorized:
 - Interactive Remote Access (R5.1)
 - Unescorted physical access (R5.1)
 - Access to storage locations for BCSI (R5.3)
 - Non-shared user accounts (R5.4)
 - Access to shared accounts (R5.5)

What Sample Sets?

- Authorization records
- Access revocation due to termination
- Access revocation due to reassignment or transfer

ERO Sampling Handbook

1-9	All Elements
10-19	9 Samples
20-40	16 Samples
41-100	23 Samples
101-1000	29 Samples
1001 +	33 Samples

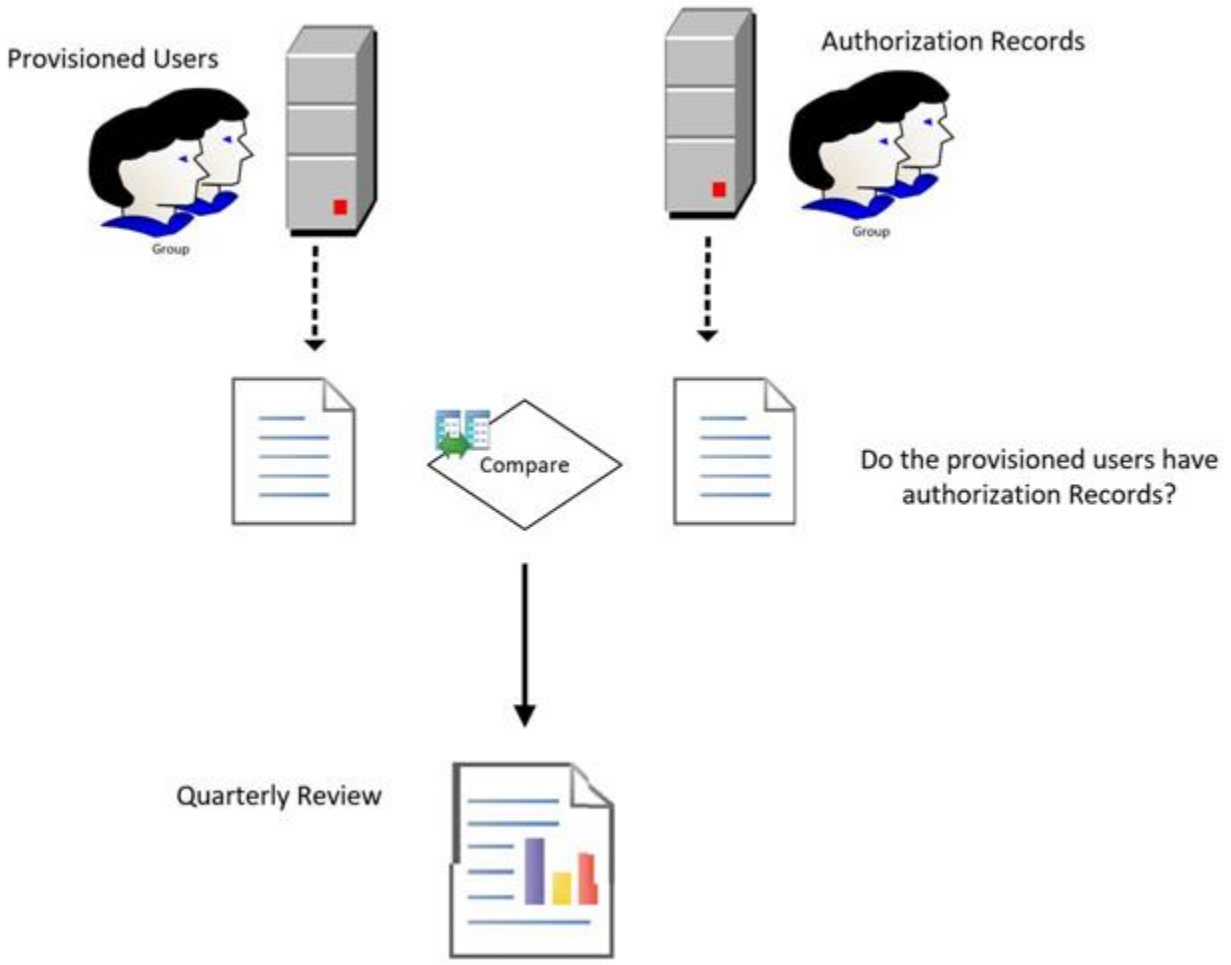
http://www.nerc.com/pa/comp/Documents/Sampling_Handbook_Final_05292015.pdf

Supporting Evidence

- Authorization records
 - Based on need
- Access revocation evidence
 - System of record logs showing such person(s) no longer have access

Quarterly Reviews

- Authorized vs. Provisioned
- Ensure review is dated and signed
- Successful methods of review:
 - Automation
 - Centralized provisioning system
 - Produces an audit artifact



Summary

- Personnel tab to be included within the CIP Data Set starting in 2018
- Expect CIP-004 sample set data request
- Ensure artifacts are created and maintained to show compliance for authorizations, revocations and quarterly reviews

Questions & Contact Information

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