



Using Vanguard Security Solutions to Complete DISA STIG SRR Review Procedures

z/OS BMC Control-M for RACF Analysis Process and Checklist

Modeled After:
SRR REVIEW PROCEDURES
z/OS BMC Control-M for RACF Checklist
Developed by DISA for the DOD
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Using Vanguard Security Solutions™ to Complete DISA STIG SRR Review Procedures

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STIG ID: ZCTM0060

Default Severity: Category II

- a) Interview the systems programmer responsible for the CONTROL-M product. Determine if the site has modified the following security exits:
 - CTMSE01
 - CTMSE02
 - CTMSE08

- b) If there have been no modifications to the security exits, or if modifications have been approved by Field Security Operations and the approval is on file for examination, there is NO FINDING.

- c) If there have been site modifications to the security exits and these modifications have not been approved by Field Security Operations, this is a FINDING.

CCI: CCI-000035

___**STIG ID: ZCTMR000**

Default Severity: Category II

1. Check with your IOA or Systems Programming personnel and compile the list of BMC CONTROL-M Installation Datasets, Likely:

. SYS2.IOA.*.CTM*.**
SYS3.IOA.*.CTMI.**

2. From the Administrator Main Menu Choose Option 2 Security Server Commands

3. Then choose Option: 3 Data Set

4. Type the resource names collected in option 1 above into: Enter fully qualified (without quotes) data set or profile name:

5. Hit enter.

6. Enter Y for Display covering profile? Y

7. Verify that the UACC is NONE

8. Verify that Audit Successes and Failures specifies UPDATE or READ.

9. Tab down to Standard Access Permits and place an E next to it (hit enter) and validate that UPDATE or higher access is limited to Systems Programming personnel. Verify Read access is given to:

- Auditors
- BMC Users
- Scheduling Personnel (both centralized and decentralized)
- BMC STCs
- Batch Users

10. if CONDITIONAL ACCESS PERMITS: _ (E to edit data) has *data is present* next to it, place an E next to it and validate that conditional access permits of Update or higher are limited to Systems Programming Personnel as well. Verify Read access is given to:

- Auditors
- BMC Users
- Security Personnel (both centralized and decentralized)
- BMC STCs
- Batch Users

11. Repeat steps 2 through 10 for all datasets in option a.1

12. If 7, 8, 9 and 10 are all true, there is NO FINDING.

13. If .7, .8, .9 and 10 are not true, this is a FINDING

CCI: CCI-000213

CCI: CCI-002234

1. Check with your IOA or Systems Programming personnel and compile the list of BMC Control-M STC and/or batch data sets datasets, Likely
SYS3.IOA.*.CTDO.**
2. From the Administrator Main Menu Choose Option 2 Security Server Commands
3. then choose Option: 3 Data Set
4. Type the resource names collected in option a.1 above into: Enter fully qualified (without quotes) data set or profile name:

5. Hit enter.
6. Enter Y for Display covering profile? Y
7. Verify that the UACC is NONE
8. Verify that Audit Successes and Failures specifies UPDATE or READ.
9. Tab down to Standard Access Permits and place an E next to it (hit enter).
Validate that UPDATE access or greater is limited to Systems Programming personnel. Verify that Scheduled Batch jobs, BMC STCs, Baatch Users, Operations, Production Control and Scheduling personnel are permitted UPDATE access.
Verify Read Access is permitted to Auditors and BMC users.
10. If CONDITIONAL ACCESS PERMITS: _ (E to edit data) has *data is present* next to it, place an E next to it and hit enter.
Validate that UPDATE access or greater is limited to Systems Programming personnel. Verify that Scheduled Batch jobs, BMC STCs, Baatch Users, Operations, Production Control and Scheduling personnel are permitted UPDATE access.
Verify Read Access is permitted to Auditors and BMC users.
11. Repeat steps 2 through 10 for all datasets in option 1
12. If 7, .8, .9 and 10 are all true, there is NO FINDING.
13. If .7, .8, .9 and 10 are not true, this is a FINDING.

CCI: CCI-001499

1. Check with your IOA or Systems Programming personnel and compile the list of CONTROL-M user data sets, Likely:

- .SYS3.IOA.*.CTDR.**
- CTRUSR.**
- CTDSRV.**
- CTDJB1.**

2. From the Administrator Main Menu Choose Option 2 Security Server Commands

3. Then choose Option: 3 Data Set

4. Type the resource names collected in option 1 above into: Enter fully qualified (without quotes) data set or profile name:

5. Hit enter.

6. Enter Y for Display covering profile? Y

7. Verify that the UACC is NONE

8. Verify that Audit Successes and Failures specifies UPDATE or READ.

9. Tab down to Standard Access Permits and place an E next to it (hit enter).

Validate that UPDATE access or greater is limited to Systems

Programming personnel. Verify that BMC STCs, Batch users.

BMC Users, Operations, Production Control and Scheduling personnel are permitted UPDATE access.

Verify Read Access is permitted to Auditors.

10. If CONDITIONAL ACCESS PERMITS: _ (E to edit data) has *data is present* next to it, place an E next to it and hit enter.

Validate that UPDATE access or greater is limited to Systems

Programming personnel. Verify that BMC STCs, Batch users.

BMC Users, Operations, Production Control and Scheduling Personnel are all permitted UPDATE access.

Verify Read Access is permitted to Auditors.

11. Repeat steps 2 through 10 for all datasets in option 1

12. If 7, .8, .9 and 10 are all true, there is NO FINDING.

13. If 7, .8, 9 and.10 are not true, this is a FINDING.

CCI: CCI-001499

a) Check with your IOA or Systems Programming personnel and compile the list of BMC CONTROL-M User/Application JCL data sets. Likely:

1. IOA.**
2. From the Administrator Main Menu Choose Option 2 Security Server Commands
3. then choose Option: 3 Data Set
4. Type the resource names collected in option a.1 above into: Enter fully qualified (without quotes) data set or profile name:

5. Hit enter.

6. Enter Y for Display covering profile? Y

7. Verify that the UACC is NONE

8. Verify that Audit Successes and Failures specifies UPDATE or READ.

9. Tab down to Standard Access Permits and place an E next to it (hit enter).

Validate that UPDATE or higher access is limited to BMC CONTROL-M administrators and Systems Programmers and UPDATE access is permitted to Production Control and Scheduling personnel, BMC STCs, and/or the product's batch users. Verify READ access is permitted to auditors, automated batch users, BMC users and Operations Personnel.

10. If CONDITIONAL ACCESS PERMITS: _ (E to edit data) has *data is present* next to it, place an E next to it and hit enter.

Validate that UPDATE or higher access is limited to BMC CONTROL-M administrators and Systems Programmers and UPDATE access is permitted to Production Control and Scheduling personnel, BMC STCs, and/or the product's batch users. Verify READ access is permitted to auditors, automated batch users, BMC users and Operations Personnel.

11. Repeat steps 2 through 10 for all datasets in option 1

12. If 7, 8, 9 and 10 are all true, there is NO FINDING.

13. If 7, 8, 9 and 10 are not true, this is a FINDING.

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CCI: CCI-000035

Verify that the accesses to resources in the BMC CONTROL-M Resources table in the z/OS STIG Addendum are properly restricted.

Note: To determine what resource class is used review the IOACCLASS setting in SECPARM to determine the resource class to use. Refer to ZIOA0040 for this setting.

a) Verify the resources identified in the BMC CONTROL-M Resources table in the z/OS STIG Addendum are properly defined and access is restricted to the appropriate personnel.

For all the PROFILES found in BMC CONTROL-M Resources table in the z/OS STIG Addendum:

1. From the Administrator Main Menu Choose Option 3 Security Server Reports
2. then choose Option: 4 General Resource Profile
3. On the command line choose option 4 AND then Put (* or \$\$*) next to PROFILE: and (class name from ZIOA0040) next to CLASS:

Profile: from table (or specify \$\$* as all profile start with a \$\$)

Class: from ZIOA0040

4. Hit enter.

5. Verify that the UACC for all profiles listed is NONE

6. Place an S next to the profile and validate that the access list is appropriate (as Defined) or more restrictive than the BMC CONTROL-M Resources table in the z/OS STIG Addendum.

7. If TYPE is GROUP, place an S in the CMD line and hit enter to explode the GROUP.

8. For all resources with logging requirements place an LR next to the profile (hit enter and review the output) and validate that it specifies ALL(READ).

b) If all profiles, access lists, and Auditing are defined like or more restrictive than the BMC CONTROL-M Resources table in the z/OS STIG Addendum, then there is NO FINDING.

d) If any Profile, Access list or Auditing is more permissive than the BMC CONTROL-M Resources table in the z/OS STIG Addendum, then there is a FINDING.

CCI: CCI-000035

CCI: CCI-002234

- a) From Analyzer main Menu, go to 3;4; Press ENTER
- b) Key in SORT PROCNAME; Press ENTER
- c) Key in L CONTROLM; Press ENTER
- d) If not found then CONTROLM; is not defined to RACF as a STC user.
- e) If found then use the U line command to determine if the userid is defined to RACF.
- f) The userid is defined to RACF if a userid display appears. If not defined you should see the message No data to display
- g) now press f3 to go back to the previous display. If no R is next to the entry then the user is protected.
- h) If an R is next to the entry, place an M on the command line and validate the following is NOT displayed:
VSA346R The user ID does not have the protected attribute.
- i) If the userid for the CONTROL-M started task is defined to the security database and is protected, there is NO FINDING.
- j) If the userid for the CONTROL-M started task is not defined to the security database, or is defined but does not have the protected attribute, this is a FINDING.

CCI: CCI-000764

1. From Analyzer main Menu, go to 3;4; Press ENTER
 2. Key in SORT PROCNAME; Press ENTER
 3. Key in L CONTROLM; Press ENTER
 4. Look at the source column. It will indicate STARTED class profile or ICHRIN03 entry.
 5. If not found then CONTROLM is not defined to RACF as a STC user.
- b) If a STARTED resource class profile exists for the CONTROLM STC, there is NO FINDING.
- c) If neither a STARTED resource class profile or an ICHRIN03 entry exists for the CONTROLM STC, this is a FINDING..
- b) If a STARTED resource class profile exists for the CONTROLM STC, there is NO FINDING.
- c) If neither a STARTED resource class profile or an ICHRIN03 entry exists for the CONTROLM STC, this is a FINDING.

CCI: CCI-000764

___STIG ID: ZCTMR040

Default Severity: Category II

a) Ensure the following keywords are specified in the BMC CONTROL-M security parameter member:

| Keyword | Value |
|----------|------------|
| DEFMCHKM | \$\$CTMEDM |
| SECTOLM | NO |
| DFMM01 | EXTEND |
| DFMM02 | EXTEND |
| DFMM08 | EXTEND |
| RACJCARD | U |
| MSUBCHK | NO |

b) If all of the above are specified in the BMC CONTROL-M SECPARM, there is NO FINDING.

c) If any of the above are not specified in the BMC CONTROL-M SECPARM, there is a FINDING.

CCI: CCI-000035