|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Security Category | Measurement Criteria | Scoring Scale (0-10 or Yes/No) | Source/Justification | Notes |
| Default Credentials | Are default credentials required to be changed upon initial setup? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Easy to test & check to see if present | REQ OOB-006 |
| Optional Network Services | Are optional network services disabled by default? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Easy to test & check to see if present | REQ OOB-005 |
| Factory Rest | Can the device be factory reset erasing all customer and configuration data? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Easy to test & check to see if present | REQ OOB-009 |
| Remote Access | Is remote access to the admin interface disabled until the password has been changed by the user or it has a device-unique password? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Easy to test & check to see if present | REQ OOB-008  Device-unique is a different id per same device. No two devices have the same password. |
| Password Strength | Are weak passwords allowed to be set? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Easy to test & check to see if present | REQ OOB-012 |
| Encryption at Rest | Is all confidential or sensitive data in flash memory encrypted at rest? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Privacy of data needs to be encrypted. Will have to define “confidential” and link that to a standard as well as encryption levels. | REQ DRP-001  Encryption at rest best practices NIST. Definition of confidential or sensitive data? Maybe rate on level of encryption |
| TLS | Only approved TLS connections used? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Privacy of data needs to be encrypted. Will have to define “confidential” and link that to a standard as well as encryption levels. | REQ DE-002  Link to NIST standard on TLS encryption standards: NIST Special Publication (SP) 800-52 Rev. 2. TLS 1.2 and above. TLS 1.3 preferred (more points for this?) TLS 1.2 acceptable |
| Hash default | Is the default configuration a hash function of a security strength similar to SHA2 or higher? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d> | REQ DE-006  SHA 1 and MD5 are deprecated |
| Disabling Cipher Suite | Is disabling a cipher suite allowed? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: Allowing the disabling of less secure cipher suites enforces the use of more secure cipher suites. | REQ DE-007 |
| Ports | Are all physical and/or local communications ports that are not required for normal operations disabled by default? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d> | REQ MI-003 |
| MFA | Does the device support MFA for admin access? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d> | REQ MI-004 |
| Reauthentication | Is reauthentication required after a configurable period of inactivity?? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d> | REQ MI-009  NIST 800-63B for reauthentication and timeout periods  30 min per MI-010 |
| Input Validation | Are all inputs validated to prevent improper resource use? |  | Source: **Cable Labs.** (2021). *Gateway device security best common practices 5* (CL-GL-GDS-BCP-V01-211007, Version 01-211007). Cable Labs. <https://account.cablelabs.com/server/alfresco/1209eea3-bd81-40cb-9a18-21bd6cfcd80d>  Justification: This is important but t]his may be hard to prove | REQ MI-012  OWASP PC C4 and C5 sections |