October 6, 2023

Overall rating: Critical

This is a technical bulletin intended for technical audiences.

Summary

The Vulnerability and Risk Management (VRM) Team has been made aware of multiple Hitachi Energy vulnerabilities. The vulnerability affects AFF66X FW: 03.0.02 and prior, AFS66X-S: All versions, AFS660-C: All versions, AFS66X-B: All versions, AFS670-V20: All versions, AFS65X: All versions, AFS67X: All versions, and AFR677: All versions. Hitachi Energy AFS65x, AFF66x, AFS67x, and AFR67x Series Products are used in the energy sector.

Technical Details

Successful exploitation of Incorrect Calculation, Integer Overflow or Wraparound, Improper Encoding or Escaping of Output, Exposure of Resource to Wrong Sphere vulnerabilities by an attacker could have a high impact on availability, integrity, and confidentiality of the targeted devices.

Exploitability Metrics
Attack Vector: Network
Attack Complexity: Low
Privileges Required: None
User Interaction: None

This vulnerability is rated as a **CRITICAL** risk. A software update exists to address this risk.

Action Required

- Locate the device or application and investigate.
- Notify business owner(s).
- Perform mitigating actions, as required.

Please notify VRM with any questions or concerns you may have.

References

- CVE-2021-45960, CVE-2021-46143, CVE-2022-22822, CVE-2022-22823, CVE-2022-22824, CVE-2022-22825, CVE-2022-22826, CVE-2022-22827, CVE-2022-25314, CVE-2022-25315, CVE-2022-25235, CVE-2022-25236, CVE-2022-23852, CVE-2022-23990
- Hitachi Energy AFS65x, AFF66x, AFS67x, and AFR67x Series Products

Please note that we will be transitioning to a new site on August 31, 2023, where we will post the vulnerability reports.

You will be able to find all the reports that we have published as well as all future reports here: Cybersecurity Alerts