

SICK PSIRT Security Advisory

MSC800 affected by hard-coded credentials vulnerability

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CVSSv3 Base Score: 9.8 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H)
CVE Identifier: CVE-2019-10979
Version: V1.0

SUMMARY

The ICS-CERT reported a security vulnerability that affects MSC800 versions before 4.0. The MSC800 uses hard-coded credentials, which potentially allow low-skilled remote attackers to reconfigure settings and /or disrupt the functionality of the device. Currently SICK is not aware of any public exploits specifically targeting this vulnerability.

SICK has released a firmware update for MSC800 and recommends updating to the new version.

AFFECTED PRODUCTS

Product	Version	Remediation available
MSC800	All versions < V4.0	Update to V4.0

SOLUTION

The update allows customers to change the default customer passwords and to optionally disable device configuration over desired networks interfaces, especially in critical infrastructures. The patch and installation procedure for the firmware update is available from the responsible SICK customer contact person. Until the firmware update is installed, general security practices should be utilized. In case the referenced patches cannot be applied, the following general security practices could mitigate the associated risk.

General Security Practices

As general security measures, SICK recommends to minimize network exposure of the devices, restrict network access and follow recommended security practices in order to run the devices in a protected IT environment.

Additional information on Industrial Security can be found at:

<http://ics-cert.us-cert.gov/content/recommended-practices>

VULNERABILITY CLASSIFICATION

SICK performs vulnerability classification by using the CVSS scoring system (CVSS v3.0). The environmental score is dependent on the customer's environment and can affect the overall CVSS score. SICK recommends that customers individually evaluate the environmental score to achieve final scoring.

RESOURCES

CVSS Calculator

<https://www.first.org/cvss/calculator/3.0#CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H>

SICK PSIRT Security Advisories

<https://sick.com/psirt>

ICS-CERT recommended practices on Industrial Security

<http://ics-cert.us-cert.gov/content/recommended-practices>

HISTORY

Version	Release Date	Comment
V1.0	2019-06-24	Initial Release