



Bulletin No.: SQNSEC-2026-001	DATE OF ISSUE: 2026-08-21
SUBJECT: libcurl Unbounded HTTP Response Header Accumulation (CVE-2023-38039)	
Author: Sequans Communications	Confidentiality: Public ☒ Private ☐
Contact: SEQUANS Communications Sales/FAE for further details	

1. Affected Products

Product series	Product name	Ordering code	Firmware version	Remarks
GC02S1	All variants	All	LR9.0.5.1 LR9.0.6.1 LR9.0.7.1	Affected
GM02S	All variants	All	LR8.2.2.1 and earlier	Affected
SKY66431	All variants	All	LR8.2.2.1 and earlier	Affected

1. Type

- ☐ Module / Hardware
- ☒ Firmware
- ☐ SDK / API
- ☐ Cloud / Service
- ☐ Tool / Application
- ☐ Other

2. Issue description

curl (version 7.88.1), used within Calliope2/Monarch2 firmware for HTTP(S) communication with device-management (OMA-DM) servers, does not limit the amount or size of HTTP response headers it accumulates while processing a response. A malicious or compromised server can stream an excessive volume of header data, exhausting the device's available memory.

CVE references:

- CVE-2023-38039

Impact statement:

The issue may allow denial of service (device memory exhaustion / process crash), under the following conditions: the device must establish an HTTP(S) connection to a malicious or compromised server (e.g. a rogue OMA-DM server, or an attacker positioned as a man-in-the-middle).

At this stage, Sequans Communications has not identified evidence of exploitation in real-world deployments.



3. Recommendations

Sequans recommends customers to:

- Upgrade to a firmware version integrating curl $\geq$ 8.3.0, or the backported 300 KB response-header size cap.
- Restrict OMA-DM/device-management connectivity to trusted, authenticated servers only, if firmware upgrade is not immediately possible.
- Contact their Sequans representative for support.

Available fix:

- Product: Calliope2 / Monarch2
- Firmware version: TBD— will integrate curl $\geq$ 8.3.0 (or the header-size cap backport)
- Availability date: TBD
- Delivery channel: Customer portal / direct support

Workaround:

- No workaround is currently available at the application level; restricting connectivity to trusted device-management servers reduces exposure.

4. General security recommendations

Customers are advised to:

- Use secure communication protocols such as TLS where applicable.
- Keep device firmware up to date.
- Review product exposure and disable unused interfaces/services.
- Follow Sequans security guidance and customer release notes.

5. Reference documents

[1] NVD CVE-2023-38039 (nvd.nist.gov/vuln/detail/CVE-2023-38039)

[2] Sequans Customer Release Note (to be issued with fix)

[3] curl Security Advisory (curl.se/docs/CVE-2023-38039.html)

For any question, please contact your Sequans sales or support representative.

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