



CVE-2020-7054

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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H



Certain versions of [Libiec61850](#) from [Mz-automation](#) contain the following vulnerability:

MmsValue_decodeMmsData in mms/iso_mms/server/mms_access_result.c in libIEC61850 through 1.4.0 has a heap-based buffer overflow when parsing the MMS_BIT_STRING data type.

CVE-2020-7054 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	REQUIRED
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **6.8 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
heap overflow when parsing `MMS_BIT_STRING` in MmsValue_decodeMmsData in mms/iso_mms/server/mms_access_result.c · Issue #200 · mz-automation/libiec61850 · GitHub	Exploit Third Party Advisory github.com text/html	MISC github.com/mz-automation/libiec61850/issues/200

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Mz-automation	Libiec61850	All	All	All	All
cpe:2.3:a:mz-automation:libiec61850:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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