مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Vulnerability in Siemens SIMATIC ET 200SP

Tracking #:432317828

Date:17-10-2025

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Siemens has released a critical security update for its SIMATIC ET 200SP communication processors to fix an authentication vulnerability that could allow unauthenticated remote attackers to access configuration data on affected devices.

TECHNICAL DETAILS:

Siemens has released a critical security update addressing an authentication vulnerability in its SIMATIC ET 200SP communication processors. The flaw could allow unauthenticated remote attackers to access or manipulate configuration data, potentially compromising industrial control networks.

Vulnerability Details

- **CVE-2025-40771**
- CVSS v3.1 Base Score: 9.8 (Critical)
- CWE: CWE-306 – Missing Authentication for Critical Function
- The issue occurs because affected processors do not properly authenticate configuration connections, enabling attackers to connect remotely without authorization.
- Impact: Unauthenticated remote access to configuration data, risk of integrity compromise and lateral attacks.

Affected Products

All versions prior to V2.4.24 are affected:

- SIMATIC CP 1542SP-1 (6GK7542-6UX00-0XE0)
- SIMATIC CP 1542SP-1 IRC (6GK7542-6VX00-0XE0)
- SIMATIC CP 1543SP-1 (6GK7543-6WX00-0XE0)
- SIPLUS ET 200SP CP 1542SP-1 IRC TX RAIL (6AG2542-6VX00-4XE0)
- SIPLUS ET 200SP CP 1543SP-1 ISEC (6AG1543-6WX00-7XE0)
- SIPLUS ET 200SP CP 1543SP-1 ISEC TX RAIL (6AG2543-6WX00-4XE0)

Fixed Versions

- Firmware Version: V2.4.24 or later

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions released by Siemens.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- https://cert-portal.siemens.com/productcert/html/ssa-486936.html