ICX35 Authentication Vulnerability

Date: May 8, 2017
Version: 1.0

Executive Summary

During internal comprehensive penetration testing, a vulnerability was identified in the user authentication on the ICX35 cellular gateway that can allow access to the administrative functions of the device without entering valid login credentials.

Details

The ICX35-HWC cellular gateway web user interface provides a login screen with an authentication mechanism that controls the access to the administrative functions of the device. In firmware versions 1.0, 1.1 and 1.2, this mechanism can be bypassed by an unauthenticated attacker.

Impact

This vulnerability can be exploited to allow an unauthorized user to gain full administrator access to the ICX35 configuration.

Affected Products

Brand	Product Line / Platform	Product	Version
ProSoft Technology	Industrial Cellular Gateways	ICX35-HWC-x	1.0, 1.1, 1.1d, 1.2.x

Solution

This vulnerability has been fixed in firmware version 1.3, released on April 12, 2017. Users are encouraged to update the firmware on all ICX35 gateways to version 1.3 or later. Firmware can be updated through ProSoft Connect or by downloading the firmware files from the Downloads section of the ICX35 product web page: http://www.prosoft-technology.com/Products/Industrial-Wireless/Intelligent-Cellular/Industrial-Cellular-Gateway-ICX35-HWC

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Revisions

V1.0 (May 4, 2017):	Bulletin published.