



## Proxim Access Point 802.1x Vulnerability Disclosure

**Advisory Original Release Date:** December 2, 2005

**Last Revised:** December 2, 2005

**Number:** ASA-2005-3253

**Risk Level:** High

**Advisory Version:** 1.0

**Advisory Status:** Final

### Overview:

Proxim Wireless Access Points (AP) provides authentication and access to network resources via IEEE 802.11a, 802.11b and 802.11g.

Urmas Kahar and Tarmo Kaljumäe have reported a vulnerability in the Proxim Wireless AP product line. If a Wireless AP has 802.1x enabled, and WEP disabled, a static WEP key of "12345" can be used to bypass the 802.1x authentication, and gain access to available network resources. This issue affects the Proxim Wireless AP-600, AP-700, AP-2000 and AP-4000. The Common Vulnerability and Exposures project ([cve.mitre.org](http://cve.mitre.org)) has assigned the name [CAN-2005-3253](#) to this issue.

### Mitigating Factors:

WEP must be disabled, and 802.1x must be enabled for this vulnerability to be exploited.

### Affected Software-Only Products

Product	Affected S/W Version	Comments and Recommended Actions	Risk Level
Proxim™ Wireless Access Points AP-600 and AP-2000	All Versions after 2.4.11 and prior to 2.5.5	Proxim Wireless AP firmware 2.5.5 has been released to address this vulnerability. All users running versions later then 2.4.11 should apply version 2.5.5 (or later) to address this vulnerability (see below for more information).	High
Proxim™ Wireless Access Points AP-700 and AP-4000	All Versions after 2.4.11 and prior to 3.1	Proxim Wireless AP firmware 3.1 has been released to address this vulnerability. All users running versions later then 2.4.11 should apply version 3.1 (or later) to address this vulnerability (see below for more information).	High

### Recommended Actions for Proxim Wireless Access Points:

Proxim recommends that WEP or WPA be enabled in all implementations of Proxim Wireless Access Points.

Proxim Wireless AP-600 and AP-2000:

Download and install firmware 2.5.5 from:

AP-600:

[http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std\\_adp.php?p\\_faaid=1222](http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std_adp.php?p_faaid=1222)

AP-2000:

[http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std\\_adp.php?p\\_faaid=1221](http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std_adp.php?p_faaid=1221)

Proxim Wireless AP-700 and 4000:

Download and install firmware 3.1 from:

AP-700:

[http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std\\_adp.php?p\\_faaid=1686](http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std_adp.php?p_faaid=1686)

AP-4000:

[http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std\\_adp.php?p\\_faaid=1250](http://support.proxim.com/cgi-bin/proxim.cfg/php/enduser/std_adp.php?p_faaid=1250)

### **Special Acknowledgements:**

Proxim thanks and credits Tarmo Kaljumäe and Urmas Kahar for bringing this issue to our attention as well as working with Proxim to help protect customers.

**Additional Information:** Additional information may also be available via the Proxim support website (<http://support.Proxim.com>) and through your Proxim account representative. Please contact your Proxim product support representative, or dial 1-866-674-6626, with any questions.

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### **Revision History:**

V 1.0 – December 2, 2005 – Initial statement issued.

Send information regarding any discovered security problems with Proxim products to either the contact noted in the product's documentation or <http://support.Proxim.com>.

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