

## Security advisory TN1488-ST-PSIRT: OpenThread “Missing Key ID Mode validation when processing 6LoWPAN frames” security vulnerability

### Overview

This security advisory pertains to the "Missing Key ID Mode validation when processing 6LoWPAN frames" vulnerability reported by the OpenThread foundation.

### Affected products

| Product     | Version                     | Type              | Note |
|-------------|-----------------------------|-------------------|------|
| STM32CubeWB | version v1.16.0 and earlier | embedded software | -    |

### How to verify the product is affected

This issue relates to the embedded software listed above.

### Description

Refer to the advisory *Missing Key ID Mode validation when processing 6LoWPAN frames*<sup>(1)</sup> available from the OpenThread GitHub repository.

### Impact

Refer to the advisory *Missing Key ID Mode validation when processing 6LoWPAN frames*<sup>(1)</sup> available from the OpenThread GitHub repository.

### Remediation

The vulnerability is fixed in STM32CubeWB starting from the version v1.17.0.

The updates can be found at the following location: [STM32CubeWB](#). STMicroelectronics recommends that the users update their software to the most recent version.

### Credit

OpenThread foundation.

### Contact information

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<sup>(1)</sup> The URL belongs to a third party. It may be moved, modified, and/or inactivated by them at anytime. STMicroelectronics is not responsible for the content of the referenced website.

## Revision history

**Table 1. Document revision history**

| Date        | Version | Changes          |
|-------------|---------|------------------|
| 11-Oct-2023 | 1       | Initial release. |

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