



Product Security Update Bulletin

Notification #: E180301

Notification Title: BCM plan for addressing the **Meltdown** and **Spectre** security issues as they pertain to our products

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Overview

On January 3, 2018, the National Cybersecurity and Communications Integration Center (NCCIC) became aware of a set of security vulnerabilities—known as [Meltdown](#) (link is external) and [Spectre](#) (link is external)—that affect modern computer processors. Exploitation of these vulnerabilities could allow an attacker to obtain access to sensitive information.

Solutions

There are two corrective actions needed for solving the Meltdown and Spectre hazards:

1. Operating System update: (Operating System Vendor Information List) <https://www.us-cert.gov/ncas/alerts/TA18-004A> Source: From US CERT website
2. Microprocessor vendor micro-code update

Key Details of Plan

1. BCM is actively pursuing micro-code update patches from its microprocessor suppliers
2. BCM will begin incorporating the micro-code update patches into the latest BIOS for each of its standard products for which micro-code update patches are made available from the microprocessor vendor and are supported by the BIOS source supplier.
3. Micro-code updates provided by the vendor may not cover all microprocessors supported by the BCM motherboard. Please refer back to the microprocessor vendor for a complete list of microprocessors they will provide updates for.
4. Once a BIOS is ready for a specific product, BCM will make that BIOS available on its website. BIOS downloads are subject to BCM's standard use terms and conditions.
5. BCM will do its best to make these BIOS updates available as soon as possible. We anticipate all standard BIOS to be available by June 2018 subject to microprocessor code update availability.



BCM Products We Anticipate to Release BIOS Micro-Code Updates for These Issues

BCM anticipates to have BIOS updates available for its products that support Intel® microprocessors starting from its Q45/GM45 standard product motherboards up to its latest motherboards supporting Q170/QM175/H110 Skylake™ / Kaby Lake™ microprocessors

Recommended Actions

Please check BCM's website regularly if you are waiting for a new BIOS release that addresses these security issues and pertains to the above listed products

Reference Links

1. US-CERT
<https://www.us-cert.gov/ncas/alerts/TA18-004A>
2. Intel® overview reference link
<https://www.intel.com/content/www/us/en/architecture-and-technology/facts-about-side-channel-analysis-and-intel-products.html>
3. Microsoft Security Center:
<https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/ADV180002>

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