Bug Advisory

Title	Bug Advisory: Unable to Boot Few ESP32-C3 Products Using Certain ESP-IDF Versions
Issue date	2021-12-24
Advisory Number	AR2021-006
Serial Number	NA
Version	V1.0

Issue Summary

Among ESP32-C3 series of products (including ESP32-C3 series of chips, modules, and development boards) developed and produced based on ESP-IDF v4.3-rc and ESP-IDF v4.3, a few are unable to boot due to improper parameter configurations in the chip's initialization software.

Affected ESP-IDF versions:
master branch: from eea76d1 to b342b49 (excluded).
release/v4.3 branch: from 6d2bdfc to 517dd5c (excluded), including release v4.3-rc and v4.3.

Patched Versions of ESP-IDF

ESP-IDF branch	Commit ID
master	b342b49
release/v4.3	517dd5c, part of v4.3.1 release

Note: ESP-IDF v4.3.1 and versions higher already include the fix to this bug. You are recommended to use the latest stable versions based on release/v4.3 branch, the latest stable version is ESP-IDF v4.3.2.

Recommendations for Application Developers

When you develop ESP32-C3 series of products or upgrade ESP-IDF versions used for ESP32-C3 series of products, it is recommended to use ESP-IDF v4.3.1 or versions higher.

If you encounter any problems during the upgrade process, please provide the IDF version or commit ID to Espressif. We will confirm and handle issues involved.