IPMI Firmware / BIOS Release Notes Form

Product Name	**X10DRU-XLL**
Release Version	**3.1**
Release Date	**6/12/2018**
Previous Version	**3.0a**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.** **2. Updated Broadwell-EP RC 4.4.0 release.**
New features	**N/A**
Fixes	**1. Fixed issue of system hanging while doing the ONOFF test with AOC-3108.**

Release Notes from Previous Release(s)

3.0a (2/22/2018)

1. Implemented enhancement to address 'Spectre' variant 2 (CVE 2017-5715) security patch issue.
2. Updated Broadwell-EP RC 4.3.0 PLR11 release.
3. Updated Intel Server Platform Services 3.1.3.38 PLR7 for Grantley Refresh Platforms.
4. Fixed issue of kernel panic occurring with Redhat 7.3 (Kernel 3.10.0.514) when limiting cores.