IPMI Firmware / BIOS Release Notes Form

Product Name	**X10DRFR(-N/NT)**
Release Version	**3.1a**
Release Date	**6/21/2018**
Previous Version	**3.1**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**N/A**
New features	**N/A**
Fixes	**1. Fixed problem of 1.10 and newer revision boards repeatedly rebooting when trying to update SPS FDT region.**

3.1 (6/9/2018)

1. Updated CPU microcode to address 'Spectre' derivatives (CVE-2018-3639 & CVE-2018-3640) security issue.
2. Added support for IPMI IPV6.
3. Removed unsupported memory frequency options from setup menu.
4. Disabled Cloaking for Broadwell E5-2687W V4 CPU (W: workstation SKU).
5. Updated Broadwell-EP RC 4.4.0 release.
6. Fixed problem of Afu /O command clearing SMC SMBIOS region ($SMC).
7. Fixed problem of SUM OOB GetSataInfo always showing "Configuration Type" as "AHCI" when setting "Configure SATA as" to "RAID" or "IDE".
8. Fixed inability to enter setup menu by pressing "DEL" key if Re-try Boot feature is enabled and there are no boot devices.
9. Set Descriptor Region of BIOS Region Write Access to "No".