IPMI Firmware / BIOS Release Notes Form

Product Name	**X10DRU-X**
Release Version	**3.1c SPS: 3.1.3.72**
Release Date	**6/29/2019**
Build Date	**6/29/2019**
Previous Version	**3.1a**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Changed BIOS revision to 3.1c.** **2. Updated Post Launch Release 072 for Grantley Server for INTEL-SA-00213 Security Advisory to address CVE-2019-0089, CVE-2019-0090, CVE-2019-0086, CVE-2019-0091, CVE-2019-0092, CVE-2019-0093, CVE-2019-0094, CVE-2019-0096, CVE-2019-0097, CVE-2019-0098, and CVE-2019-0099 security issues.** **3. Updated Haswell-EP/Broadwell-EP CPU microcode from SRV_P_273 for INTEL-SA-00233 Security Advisory to address CVE-2018-12126, CVE-2018-12127, and CVE-2018-12130 security issues.** **4. Added support for RFC4122 UUID format feature to set RFC4122 encoding from build time produced by IPMICFG 1.29 tool or newer.** **5. Updated VBIOS and VGA EFI Driver to 1.09.**
New features	**N/A**
Fixes	**N/A**

Release Notes from Previous Release(s)

3.1a (10/04/2018)

1. Displayed Memory Correctable Error Threshold for production cburn test.

3.1 (6/19/2018)

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.