

**Q1. What are the differences between Step 0 and Step 1 devices?**

A. There are no functional differences between Step 0 and Step 1 devices. The only change in Step 1 devices is the improvement of CDM ESD performance for GTP I/O pins. Step 1 devices are form, fit, function, and bit-stream compatible with Step 0.

**Q2. What is the ESD improvement in Step 1 devices?**

A. The ESD and Latch-up data in the current Device Reliability Report (UG116) captures the improvement resulting from this change. The first version of the document to capture this enhancement is v4.3, published on February 6, 2008: [http://www.xilinx.com/support/documentation/user\\_guides/ug116.pdf](http://www.xilinx.com/support/documentation/user_guides/ug116.pdf).

**Q3. The XC5VLX220T and XC5VLX330T devices are not listed in the PCN. Are these devices not transitioning to Step 1?**

A. The XC5VLX220T and XC5VLX330T devices went to production with Step 1 initially. There is no production Step 0 for these devices.

**Q4. Has there been any Step 1 device shipped with the standard ordering part number so far?**

A. Except for the XC5VLX220T and XC5VLX330T devices, all orders with standard ordering codes were, and will be shipped with the Step 0 devices until April 30, 2008. After April 30, 2008, orders for standard ordering codes will be shipped with either Step 0 or Step 1 devices (except for XC5VLX220T and XC5VLX330T, which only ship with Step 1 mask sets).

**Q5. If I want Step 1 devices alone, what ordering code should be used?**

A. Step 1 devices can be ordered by appending "S1" to the end of the standard ordering code.

**Q6. What should CONFIG STEPPING be set to for Step 1 devices?**

A. CONFIG STEPPING should be set to 0 (same as for Step 0 devices). If CONFIG STEPPING is not set, the software defaults to 0.

**Q7. Can I specify Step 0 devices?**

A. No. Xilinx will transition completely to Step 1 devices. There will be no ordering code for Step 0 devices only.

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**Revision History**

Date	Version	Revision
03/11/08	1.0	Initial release.