

Overview

The purpose of this notification is to inform you that an error in some SVF files generated by certain versions of iMPACT can result in improper programming of CoolRunner™-II CPLDs.

Description

SVF files generated by iMPACT 7.1i (including all service packs) for On the Fly (OTF) programming of CoolRunner-II CPLDs with the “Erase before programming” option selected are incorrect. SVF files are normally used with Automated Test Equipment or other board-level programming or testing equipment.

The affected SVF files do not provide sufficient time to reliably program the CPLD, though verification of the pattern might succeed. The under-programmed parts might fail to function reliably in the application.

Programming using any other method is not affected, nor are any other Xilinx CPLD families affected.

Products Affected

SVF files generated by any version of iMPACT 7.1i with both “OTF programming” and “Erase before programming” options enabled for any member of the CoolRunner-II CPLD family are incorrect.

iMPACT versions 6.Xi (including all service packs) and 8.1i (including 8.1.01i and 8.1.02i) generate correct files. SVF files for non-OTF programming are generated correctly in all versions of iMPACT.

Devices programmed via iMPACT directly (using a JEDEC file) or via other 3rd party programmers not using SVF files are not affected. SVF files generated by iMPACT using a non-OTF flow are also not affected.

No other Xilinx CPLD families are affected.

Traceability

SVF files generated by iMPACT 7.1i (including all service packs) may be affected.

The first line of the SVF will read as one of the following comments if it was generated by iMPACT 7.1i (or its service packs):

```
// Created using Xilinx iMPACT Software [ISE Foundation - 7.1i]
```

```
// Created using Xilinx iMPACT Software [ISE Foundation - 7.1.01i]
```

```
// Created using Xilinx iMPACT Software [ISE Foundation - 7.1.02i]
```

```
// Created using Xilinx iMPACT Software [ISE Foundation - 7.1.03i]
```

```
// Created using Xilinx iMPACT Software [ISE Foundation - 7.1.04i]
```

If the SVF file was created by an iMPACT 7.1i version, please contact [Xilinx Technical Support](#) for further assistance in determining whether the SVF is affected by the issue.

Recommendations

All CoolRunner-II CPLD parts programmed with OTF programming SVF files generated by iMPACT 7.1i need to be re-programmed with a corrected SVF file or other programming method.

For additional information or questions, please contact [Xilinx Technical Support](#).

Revision History

The following table shows the revision history for this document.

Date	Version	Revision
1/30/06	1.0	Initial Xilinx release.