



PCN Number: 0908

PCN Change Level: Minor

PCN Date: August 25, 2009

Subject: Notification of Updated Programming and Functional Failure Guidelines

Dear Customer,

Actel has made modifications to our Programming and Functional Failure Guidelines. The following points summarize the changes implemented:

1. Updates to the sample size and maximum number of failures allowed
  - a. Actel has reviewed our product family programming yields and decided the guidelines should be updated.
2. Allowance for flash product added
  - a. Actel tests 100% of the programmability of these products. Although we do not expect any failures on these devices, we will accept 0.5% fallout from IGLOO<sup>®</sup>/e (including ARM-enabled), IGLOO nano, IGLOO PLUS, ProASIC<sup>®</sup>3/E (including ARM-enabled), ProASIC3 nano, ProASIC3L, and Fusion (including ARM-enabled) devices regardless of the sample size or the volume.
  - b. For ProASIC and ProASIC<sup>PLUS</sup><sup>®</sup> devices (including -F), we will accept up to 1% for quantities below 1,000, and up to 0.5% for larger volumes.
3. Updates to the Programming Failure Policies
  - a. If the devices were programmed using non-Actel-certified and discontinued programmers, Actel reserves the right to reject the failure analysis and/or RMA requests.
  - b. If Actel discovers that the programming failures were caused by the use of an older version of an adapter module and/or the adapter module's insertion limit is exceeded, the customer may be liable for all programming failures.
  - c. Actel has the right to reject RMA for programming failures due to any type of board-level issues (see attached guidelines for more details).
  - d. The list of current Actel-certified programmers, adapter modules, and the insertion limits can be found on Actel's website:  
[http://www.actel.com/documents/AntifuseProgram\\_AN.pdf](http://www.actel.com/documents/AntifuseProgram_AN.pdf)  
[http://www.actel.com/products/hardware/program\\_debug/ss/modules.aspx](http://www.actel.com/products/hardware/program_debug/ss/modules.aspx).



In summary, several changes, modifications, and updates have been added to the guidelines. Actel recommends that you review the guidelines.

All current RMA requests for programming failures, in addition to those submitted in the next 30 days, will be based on the current Programming and Functional Failure Guidelines in the Actel Price Book. Effective 30 days from this PCN release date, all new RMA requests will be processed and approved based on these new guidelines. These new guidelines are posted at [www.actel.com/documents/FA\\_Policies\\_Guidelines\\_5-06-00002.pdf](http://www.actel.com/documents/FA_Policies_Guidelines_5-06-00002.pdf) and will be included in the Q4 2009 Actel Price Book.

If you have any questions, please contact Actel's Application Technical Support at [tech@actel.com](mailto:tech@actel.com) and/or Customer Service at [customer.service@actel.com](mailto:customer.service@actel.com).

Regards,  
Actel Corporation