**BUFFER ISSUE RESOLUTION DOCUMENT (BIRD)**

**BIRD NUMBER: 196.1**

**ISSUE TITLE:** Prohibit Periods at the End of File Names

**REQUESTOR:**  Arpad Muranyi, Mentor Graphics, A Siemens Business

**DATE SUBMITTED:** September 25, 2018

**DATE REVISED:** October 12, 2018

**DATE ACCEPTED:** October 12, 2018

**DEFINITION OF THE ISSUE:**

The new rule in IBIS v6.1 that permits a period at the end of a file name is problematic. First, the period character has a dual meaning in file names, which is not clearly explained in the speficiation. The last occurrence of a period in a file name is interpreted as a delimiter between the stem and extension. But periods can also be interpreted as a normal character in the stem when there are multiple occurances of periods in the file name. Second, a few quick experiments revealed that some Operating Systems automatically remove the period from the end of a file name when creating or saving them through various means. It is not known at this time whether file names with a period at the end are treated consistently by different Operating Systems. Also, it is not known whether EDA tools can handle such file names appropriately and consistently.

**SOLUTION REQUIREMENTS:**

The IBIS specification must meet these requirements:

Table 1: Solution Requirements

|  |  |
| --- | --- |
| Requirement | Notes |
| 1. Prohibit a file name to end with a period
 |  |

**SUMMARY OF PROPOSED CHANGES:**

Remove any text from the specification that allows a period character at the end of file names.

**PROPOSED CHANGES:**

All page numbers refer to the Adobe\* PDF version of the IBIS v6.1 specification.

1. On pg. 100, 101 and 122 change the following sentence from:

In addition, files with no extensions (e.g, xyz) or with just a dot (e.g., xyz.) are permitted.

… to …

In addition, file names using only a stem (e.g., xyz) are permitted.

1. On pg. 121 add after “GENERAL SYNTAX RULES AND GUIDELINES.”

In addition, file names using only a stem (e.g., xyz) are permitted.

**BACKGROUND INFORMATION/HISTORY:**

This topic was discussed in the ATM and Editorial Task Group meetings during the weeks of September 10 and 17, 2018, and it was decided that it was safer to prohibit file names ending with a period.

Note that the changes in this BIRD are also to be applied to the corresponding text introduced by BIRD186.4.