Chair’s Status Report

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Chair, IBIS Open Forum

IBIS Summit
at DesignCon 2012
February 2, 2012

http://www.eda.org/ibis/
Agenda

🌟 2011 Progress (and One Hurdle)

🌟 IBIS Lifetime Statistics

🌟 A Schedule for IBIS Releases

🌟 Looking Ahead
Progress... and a Hurdle

- 38 BIRDs submitted, 16 approved, 1 rejected
- IBISCHK5, ver. 5.0.7 distributed Oct. 2011
  - [http://www.eda.org/ibis/bugs/ibischk/](http://www.eda.org/ibis/bugs/ibischk/)
- Asian and European Summits Continue
  - Over 414 attendees in Shanghai, Tokyo and Taipei
  - ~20 attendees at SPI Naples Summit with good in-depth discussions
- IEC standardization of 4.2 through IEEE blocked
  - IBIS 4.2 would have become IEEE P1852
  - But IEEE policy prohibits “double ANSI approval”
  - ANSI submission to IEC likely in September
Some Statistics

How long are BIRDS considered?

– Average days considered: 134
– Timelines range from 3-1001 days
Some Statistics

* IBIS Version “Life Spans” (Days)

To date…

2011 IBIS Summit at DesignCon
Release Schedule for IBIS

🌟 Moving to a regular, software-like release plan
  – Allows better planning by “customers” (IBIS community)
  – Keeps number of changes manageable
  – Reduces & stabilizes parser development cycle time and cost

🌟 Two “cycles”, each with two parts
  – Cycle 1
    * Nov. – Feb.: technical development
    * March 1 – close technical changes
    * May 1 – close final document (editorial fixes in-between)
  – Cycle 2
    * May – Aug.: technical development
    * Sept. 1 – close technical changes
    * Nov. 1 – close final document (editorial fixes in-between)
How Does This Work?

Parser development can start as early as this point

![Diagram showing cycle 1 and cycle 2 with months from January to December, highlighting BIRD Development and Editorial Work phases, and document votes & releases here.]
Looking Ahead

* Focus areas for 1H 2012
  – Close final IBIS 5.1 BIRD (149: Usage Out Syntax)
  – Complete IBIS 5.1 reformatting (now in-progress)
  – Vote out IBIS 5.1 in May!
* Parsers for IBIS 5.1 and IBIS-ISS
  – Calls for parser bids ready for IBIS-ISS
* Administrative improvements
  – Move to Mantis system for BIRDS and BUGs

Thanks for another great year!
Backup
# IBIS 5.2 BIRDs So Far

* BIRDs may be added to later versions

<table>
<thead>
<tr>
<th>BIRD No.</th>
<th>BIRD Name</th>
<th>Date Accepted</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td>Back-channel support</td>
<td>Pending</td>
</tr>
<tr>
<td>145.1</td>
<td>Instantiation of IBIS I/O buffers in an [External Circuit] using the [Model Call] keyword</td>
<td>Pending</td>
</tr>
<tr>
<td>144.1</td>
<td>Add TOUCHSTONE to [External Model] and [External Circuit] as a Supported Language</td>
<td>Pending</td>
</tr>
<tr>
<td>131</td>
<td>IBIS-AMI Repeaters</td>
<td>Pending</td>
</tr>
<tr>
<td>129</td>
<td>Add &quot;polarity&quot; Argument to D_to_A Converters</td>
<td>Pending</td>
</tr>
<tr>
<td>128</td>
<td>Allow AMI_parameters_out to pass AMI_parameters_in data on calls to AML_GetWave</td>
<td>Pending</td>
</tr>
<tr>
<td>125.1</td>
<td>Make IBIS-ISS Available for IBIS Package Modeling</td>
<td>Pending</td>
</tr>
<tr>
<td>124</td>
<td>IBIS-AMI New Reserved Parameters for Dependency Tables</td>
<td>Pending</td>
</tr>
<tr>
<td>123.2</td>
<td>IBIS-AMI New Reserved Parameters for Jitter/Noise</td>
<td>Pending</td>
</tr>
<tr>
<td>122</td>
<td>IBIS-AMI New Reserved Parameters for Analog Modeling</td>
<td>Pending</td>
</tr>
<tr>
<td>121.1</td>
<td>IBIS-AMI New Reserved Parameters for Data Management</td>
<td>Pending</td>
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<tr>
<td>118.2</td>
<td>Analog Parameter Assignments</td>
<td>Pending</td>
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<tr>
<td>117.3</td>
<td>Parameterize A_to_D and D_to_A Converters</td>
<td>Pending</td>
</tr>
<tr>
<td>116</td>
<td>Add IBIS-ISS to [External Model] and [External Circuit] as a Supported Language</td>
<td>Pending</td>
</tr>
</tbody>
</table>
Q/A