IBIS-ATM task group report

IBIS Summit at DesignCon 2015
Santa Clara Convention Center, CA

January 30, 2015

Arpad Muranyi
Mentor Graphics Corporation
(chairman of the IBIS-ATM task group)
arpad_muranyi@mentor.com

No new IBIS specification,
no new official capabilities since DesignCon 2014

This is the slide on which I would usually list the BIRDs which were released in the latest IBIS specification during the past year

Approved BIRDs since IBIS v6.0 was released

BIRD 155.2   New AMI API to Resolve Dependent Model Parameter

BIRD 167.1   Table Corrections for Tx Jitter Parameters and Ignore_Bits

BIRD 168.1   Handling of Overclocking Caused by Delay in Waveform Tables

BIRD 169.1   DLL Dependency Checking

BIRD 170   Delete Extra Paragraph for Ports under [External Circuit]

BIRD 171.3   Clarify that Empty Root Name is Not Permitted in AMI Files

BIRD 172.2   Extend Multilingual Parameter and Converter_Parameter Rules

BIRD 173.3   Package RLC Matrix Diagonals

BIRDs in progress

- **The discussions on package and on-die interconnect proposals have been moved to the IBIS Interconnect Task Group**
- **SiSoft is preparing a new proposal to potentially supersede four BIRDs**
  - BIRD 125.1   Make IBIS-ISS Available for Package Modeling
  - BIRD 145.3   Cascading IBIS I/O buffers with [External Circuit]s
  - BIRD 163   Instantiating and Connecting [External Circuit] Package Models with [Circuit Call]
  - BIRD 164   Allowing Package Models to be defined in [External Circuit]

- **There are two AMI related BIRDs which need to be considered**
  - BIRD 158.3   AMI Touchstonefile (R) Analog Buffer Models
  - BIRD 166   Resolving problems with Redriver Init Flow

- **SiSoft is preparing a new proposal for Backchannel communication and channel optimization to potentially supersede the following two BIRDs**
  - BIRD 128   Allow AMI_parameters_out to pass input data to AMI_GetWave
  - BIRD 147   Back-channel support

- **Miscellaneous BIRDs**
  - BIRD 157   Parameterize [Driver Schedule]
  - BIRD 161.1   Supporting Incomplete and Buffer-only [Component] Descriptions
  - BIRD 165   Parameter Passing Improvements for [External Circuit]s
  - BIRD 174   Quote Character Clarifications

- **New discussion started on C_comp model improvements in recent weeks**