IBIS-ATM task group report

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Progress since DesignCon 2016

• There was no new IBIS specification release last year

• **BIRDs approved since DesignCon 2016:**
  • 180  Require Unique Pin Names in [Pin]
  • 182  POWER and GND [Pin] signal_name as [Pin Mapping] bus_label
  • 183  [Model Data] Matrix Subparameter Terminology Correction
  • 184.2 Model_name and Signal_name Restriction for POWER and GND Pins
  • 185.2 Section 3 Reserved Word Guideline Update
  • 188  Expanded Rx Noise Support for AMI

• **BIRDs rejected since DesignCon 2016:**
  • 128.2 Allow AMI_parameters_out to pass AMI_parameters_in data on calls to AMI_GetWave
Pending BIRDs expected to be rejected

- 125.1  Make IBIS-ISS Available for IBIS Package Modeling
- 145.3  Cascading IBIS I/O buffers with [External Circuit]s using the [Model Call] keyword
- 163    Instantiating and Connecting [External Circuit] Package Models with [Circuit Call]
- 164    Allowing Package Models to be defined in [External Circuit]

Most of these BIRDs are “tabled” because of their dependence on other BIRDs or proposals
Pending BIRDs in discussion

- 147.6 Back-channel support
- 158.3 AMI Touchstonefile (R) Analog Buffer Models
- 161.1 Supporting Incomplete and Buffer-only [Component] Descriptions
- 165 Parameter Passing Improvements for [External Circuit]s
- 166 Resolving problems with Redriver Init Flow
- 181.1 I-V Table Clarifications
- 186 File Naming Rules
- 187.2 Format and Usage Out Clarifications
- 188.1 Expanded Rx Noise Support for AMI
- 189 Interconnect Modeling Using IBIS-ISS and Touchstone

- TBD New proposal for Redriver Flow (may replace BIRD166)
- TBD C_comp modeling with IBIS-ISS

Not all of these BIRDs are “in the hands” of the ATM group