

IBIS-ATM Task Group Report

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Progress towards IBIS v5.1

- All AMI “Clarification / correction” BIRD-s have been approved by the IBIS Open Forum
 - BIRD 112 IBIS-AMI Clock Times Clarification
 - BIRD 114.3 IBIS-AMI Definition Clarifications
 - BIRD 115 Clarifying Min/Tip/Max in IBIS-AMI
 - BIRD 120.1 IBIS-AMI Flow Correction
 - BIRD 126 IBIS-AMI New Reserved Parameter AMI_Version
 - **BIRD 127.4 IBIS-AMI Typographical Corrections**
 - BIRD 130 Crosstalk Clarification With Respect to AMI
 - BIRD 132 Clarification of the Table Format for IBIS_AMI
 - BIRD 134 AMI Function Return Value Clarification
 - **BIRD 135.1 Add Boolean to BNF for IBIS-AMI**
 - **BIRD 136 Defining Relationships between Type and Format**
 - **BIRD 137.2 AMI_parameters_in, AMI_parameters_out, msg Clarifications**
 - **BIRD 138 IBIS-AMI Section 6c Tables Update**
 - **BIRD 139.2 Reserved_Parameters Order**
 - **BIRD 140.2 Format Corner and Range Clarification for IBIS-AMI**
 - **BIRD 143.1 Correcting the rules for AMI_Close**
 - **BIRD 146 Clarify sample_interval for IBIS-AMI**
 - **BIRD 148 Allowable Model_types with IBIS-AMI**
 - **BIRD 149.1 Usage Out Syntax Correction**
 - **BIRD 151 IBIS-AMI Modified Reserved Parameters for Jitter/Noise**

Progress towards IBIS v6.0

BIRD 124 has been officially rejected in the IBIS Open Forum

BIRD 150 has been submitted to the IBIS Open Forum

- since **BIRD 150 is a direct replacement for BIRD 124**, their titles are the same: “*IBIS-AMI New Reserved Parameters for Dependency Tables*”
- the new Table Format definitions from BIRD 132 were incorporated in the Dependency Table syntax
- these changes seemed substantial enough to start a new BIRD
- the details of BIRD 150 are currently discussed in the ATM group

BIRD 152, the Analog Boundary Definition BIRD has been just voted on in the IBIS Open Forum

- its purpose is to define the boundary conditions for IBIS-ISS based analog models under [External Model] and [External Circuit] to eliminate any ambiguities, especially for S-parameter models
- waiting to be voted on in the IBIS Open Forum

BIRD 123.3, the Jitter BIRD has been re-submitted to the IBIS Open Forum

- only a few minor changes were made for consistency
- should be ready for a vote in the IBIS Open Forum soon

Current discussion topics in the ATM meetings

Developing a proposal for a more generalized parameter passing syntax for [External Model] and [External Circuit]

- BIRD 117.4 Parameterize D_to_A and A_to_D Converters
- BIRD 118.3 Analog Parameter Assignments
- the latest draft of these BIRD-s includes the capability to make references to parameters in parameter trees located in the .ibs file, or an .ami file, or any other file which contains (nothing but) parameter trees
- a new companion BIRD has been drafted for a new keyword pair to wrap parameter trees in .ibs files
 - [Begin Parameter Trees] and [End Parameter Trees]

Hammering out the details of BIRD 150, the new Dependency Table BIRD

Upcoming discussion topics for the ATM group

Need to make a formal decision between BIRD 116 and BIRD 122

- these are the analog buffer modeling BIRD-s
- BIRD 116 Add IBIS-ISS to [External Model] and [External Circuit] as a Supported Language
- BIRD 122 IBIS-AMI New Reserved Parameters for Analog Modeling

BIRD 125.1, the Package Modeling BIRD needs to be reviewed and finalized

AMI enhancement BIRD-s need to be finalized

- BIRD 121.1 IBIS-AMI New Reserved Parameters for Data Management
- BIRD 128 Allow AMI_parameters_out to pass input data to AMI_GetWave
- BIRD 147 Back-channel support
- BIRD 131 IBIS-AMI Repeaters

Tabled topics in the ATM group

BIRD 144.1

- **Add Touchstone to [External Model/Circuit] as a Language**

BIRD 145.1

- **Cascading IBIS I/O buffers with [External Circuit]s**

BIRD 121.1

- **IBIS-AMI New Reserved Parameters for Data Management**
 - this BIRD might be un-tabled soon, since a new draft has been submitted recently

**Questions,
Comments?**