



Next IBIS Specification Release

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Overview

- Approved BIRDs since 7.0 release
- BIRDs in progress
 - To be finished
 - To be delayed
 - To be rejected
- IBIS 7.1 versus 8.0 considerations
- Next Steps

8 Approved BIRDs since IBIS 7.0 release

BIRD ID	BIRD Title	Approval Date
195.1	Enabling [Rgnd] and [Rpower] Keywords for Input Models	August 31, 2018
197.7	New AMI Reserved Parameter DC_Offset	February 21, 2020
199	Fix Rx Receiver Sensitivity Inconsistencies	June 7, 2019
200	C_comp Model Using IBIS-ISS or Touchstone	September 27, 2019
201.1	Back-channel Statistical Optimization	July 17, 2020
203	Submodel Clarification	April 24, 2020
204	DQ_DQS GetWave Flow for Clock Forwarding Modeling	June 26, 2020
205	New AMI Reserved Parameter for Sampling Position in AMI_Init Flow	June 26, 2020

8 BIRDS in progress since IBIS 7.0 release

BIRDS expected to be approved

BIRD ID	BIRD Title	Tentative Vote Date
198.2	Keyword Additions for On-Die PDN (Power Distribution Network) Modeling	August 7, 2020
202	Electrical Descriptions of Modules	October 30, 2020
206	Clarification of text "transition time"	August 28, 2020
207	New AMI Reserved Parameters Component Name and Signal Name	September 18, 2020

BIRDS expected to be delayed/rejected

BIRD ID	BIRD Title	Expected Status
166.4	Resolving problems with Redriver Init Flow	To be rejected
181.1	I-V Table Clarifications	To be delayed
190	Clarification for Redriver Flow	To be rejected

IBIS 7.1 Versus 8.0 Considerations

- Definition of Minor/Major release
 - Should X.y ($y > 0$) releases contain only clarifications and small (easy to implement) technical changes?
 - We have not been consistent with this definition. For example, from 7.0 Specification “Statement of Intent” section:
 - “Version 5.1 uses a new document format and adds more technical advances and some editorial changes documented in 25 BIRDs”
- IBISCHK parser implementation effort and funding
 - Source code purchasers get code for free or must pay for new license
- EDA tool implementation effort
 - Does this factor into the decision?

BIRDs Classified by EDA Tool and IBISCHK Parser Implementation Effort

BIRD ID	BIRD Title	Category	EDA Effort	IBISCHK Effort
195.1	Enabling [Rgnd] and [Rpower] Keywords for Input Models	Technical	Small	Small
197.7	New AMI Reserved Parameter DC_Offset	Technical	Small	Small
198.2	Keyword Additions for On-Die PDN (Power Distribution Network) Modeling	Technical	Medium	Small
199	Fix Rx_Receiver_Sensitivity Inconsistencies	Clarification	None	None
200	C_comp Model Using IBIS-ISS or Touchstone	Technical	Medium	Small
201.1	Back-channel Statistical Optimization	Technical	Medium	Small
202	Electrical Descriptions of Modules	Technical	Large	Large
203	Submodel Clarification	Clarification	None	None
204	DQ_DQS GetWave Flow for Clock Forwarding Modeling	Technical	Medium	Small
205	New AMI Reserved Parameter for Sampling Position in AMI_Init Flow	Technical	Small	Small
206	Clarification of text "transition time"	Clarification	None	None
207	New AMI Reserved Parameters Component_Name and Signal_Name	Technical	Small	Small

Next Steps

- Motion to vote on list of BIRDs (technical) to include in next release
- Motion to vote on IBIS Version number
 - Could wait for recommendation of Editorial task group
- Restart of IBIS Editorial task group
- Timing mostly depends on completion of BIRD202