IBIS Version 4.0

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Version 4.0 - 10 More BIRDs

- **BIRD62.6** - Receiver Threshold spec extensions
  - [Receiver Thresholds] - Vinh/l_ac/dc and differential thresholds offsets from Vth, Tslew, sensitivities
  - [External Reference] - External voltage reference
- **BIRD64.4** - [Alternate Package Models]
- **BIRD65.2** - C_comp split to any four voltage references
- **BIRD66, BIRD71** [Model Spec] additions
  - 11 Timing test load subparameter extensions, PCI, PCI-X support (separate rising, falling loads)
- **BIRD67** - 1000 V-T lines
BIRDS Continued

- **BIRD68.1** - Clarify V-T table rising and falling edges aligned
- **BIRD70.5** - Golden Waveforms
  - [Test Data], [Test Load], and other keywords and subparameters to define golden waveforms (near, far, single-ended, differential, typ/min/max) and general test load circuit
- **BIRD72.3** - PMOS/NMOS series switch models
  - Extends definition of series MOSFET to PMOS, NMOS and combinations - no syntax change
- **BIRD73.4** - Fall Back submodel
  - Adds the Fall_back submodel for AVC technology
  - Clarification and corrections to Bus_hold submodel
Ratification Plan

- Review copy uploaded under “Ver 4.0 Work In Progress” link of IBIS home page
- Committee review/vote on Version 4.0 to stabilize syntax and resolve any interaction issues
- Start ibischk4 parser project - another review and possible clarification BIRDs
- Committee review/vote Version 4.1
- Package and submit for EIA letter ballot
  - 3 months review
  - Respond formally to comments
- If successful, ratify as ANSI/EIA-656-B