

IBIS Chair's Report and Roadmap



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IBIS Summit
DesignCon 2006
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<http://www.eigroup.org/ibis/>
<http://www.eda.org/ibis/>

Agenda



- ★ Key Recent Events
- ★ Organizational Health
- ★ Short-term Direction
- ★ IBIS Timeline
- ★ Future Versions
- ★ Questions

Key Recent Events



- ★ ICM 1.1 is now a GEIA standard
 - GEIA-STD-0001
- ★ Asian IBIS Summit a success
 - Over 150 registrants from 30 institutions
 - Very high quality of presentations

Organizational Health



- ★ Membership

- IBIS Open Forum closed 2005 with 32 members
- 2006 renewals are already being received
- At least two new members expected

- ★ ICM and IBIS Parsers

- ICM parser licensees: Cisco, Intel, Mentor Graphics

- ★ Finances

- Closed the 2005 year “breaking even”

Membership trends are healthy for 2006!

Short Term Direction



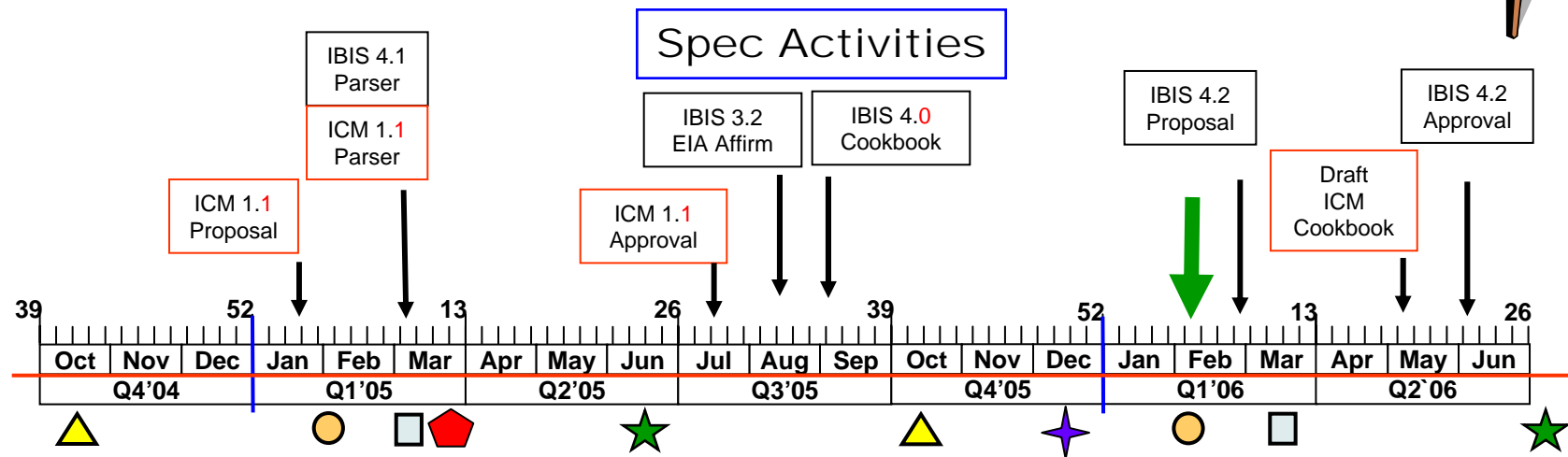
- ★ Over the next six months...
 - Approve and release IBIS 4.2
 - ★ Drive toward GEIA, ANSI standardization!
 - Complete IBIS 4.2 parser
 - ★ No cost, with minor bug fixes & enhancements
 - Complete 3 of the 4 remaining IBIS 5.0 BIRDs
 - Begin (delayed) work on ICM 1.1 Cookbook

IBIS Timeline



Not Shown

- July, 2002: IBIS 4.0 approved
- Sep., 2003: ICM 1.0 approved
- Jan., 2004: IBIS 4.1 approved



- Summits
- ★ IBIS Summit Asia
 - ★ DAC
 - DATE
 - DesignCon
 - △ DesignCon East
 - ◆ JEITA IBIS Conference

*Regular events
in Asia continuing
in '06!*

2006 IBIS Summit at DesignCon

Future Versions



* IBIS 4.2 – close with BIRD 102!

- **BIRD102** – File Name Limit Extension
- BIRD101 – Section 6b, Figure 12 Example Note
- BIRD100.2 – Allow Pure Analog *-AMS Models
- BIRD99.1 – AMS Language Versions
- BIRD96 – [Model Spec] and [Receiver Thresholds] Ordering
- BIRD94.2 – Clarifications on [Diff Pin] parameters
- BIRD93.1 – Model and Signal Name Limit Extension
- BIRD92.1 – Model Termination and Series Elements under [Model]
- BIRD91.3 – Multi-lingual Logic States Clarification
- BIRD90.2 – Multiple A_to_D Subparameters Clarification
- BIRD89.1 – Keyword Hierarchy Tree
- BIRD88.3 – Driver Schedule Initialization
- BIRD87 – Series Pin Mapping Clarifications

* IBIS 5.0

- BIRD74.6 – EMI Parameters
- BIRD95.6 – Power Integrity Analysis using IBIS
- **BIRD97.2/98** – Gate Modulation Effect
- **BIRD1xx** – [External Model] under [Circuit Call]
- **BIRD1xx** – ICM-IBIS Linking
- **BIRD1xx** – User-Defined Measurements

Parser change required

Not yet approved

Key Messages



- ★ Small Steps Before Big Leaps
 - IBIS 4.2: Standardizing IBIS + AMS
 - IBIS 5.0: A complete SI modeling solution
 - ★ Integrated buffer, package and power delivery
 - ★ Support through AMS for latest technologies
 - ★ Flexible for authors, standard for tools and users

Let's maintain IBIS as the industry's "solution of choice"
for system-level SI behavioral modeling



QUESTIONS?