Chair's Status Report

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IBIS Summit
at DesignCon 2014
January 31, 2014

http://www.eda.org/ibis/

Agenda

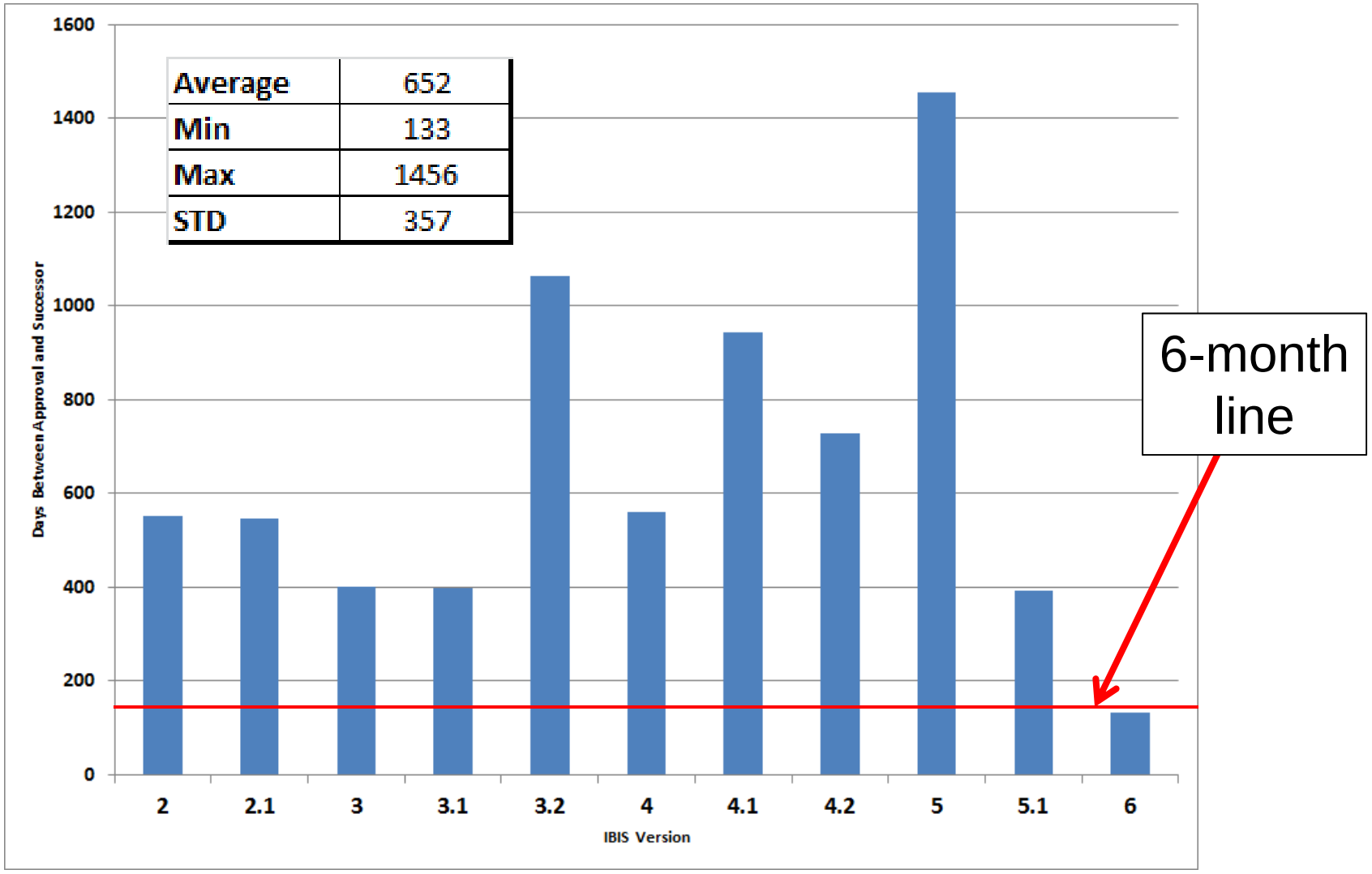
- 2013 Events and Progress
- IBIS Development Data
  - BIRD and Version Life Cycles
- Planning for the Future
  - Is a 6-month Development Schedule Feasible?
  - Proposal for Discussion
  - Focus for 1H'14

Events and Progress in 2013

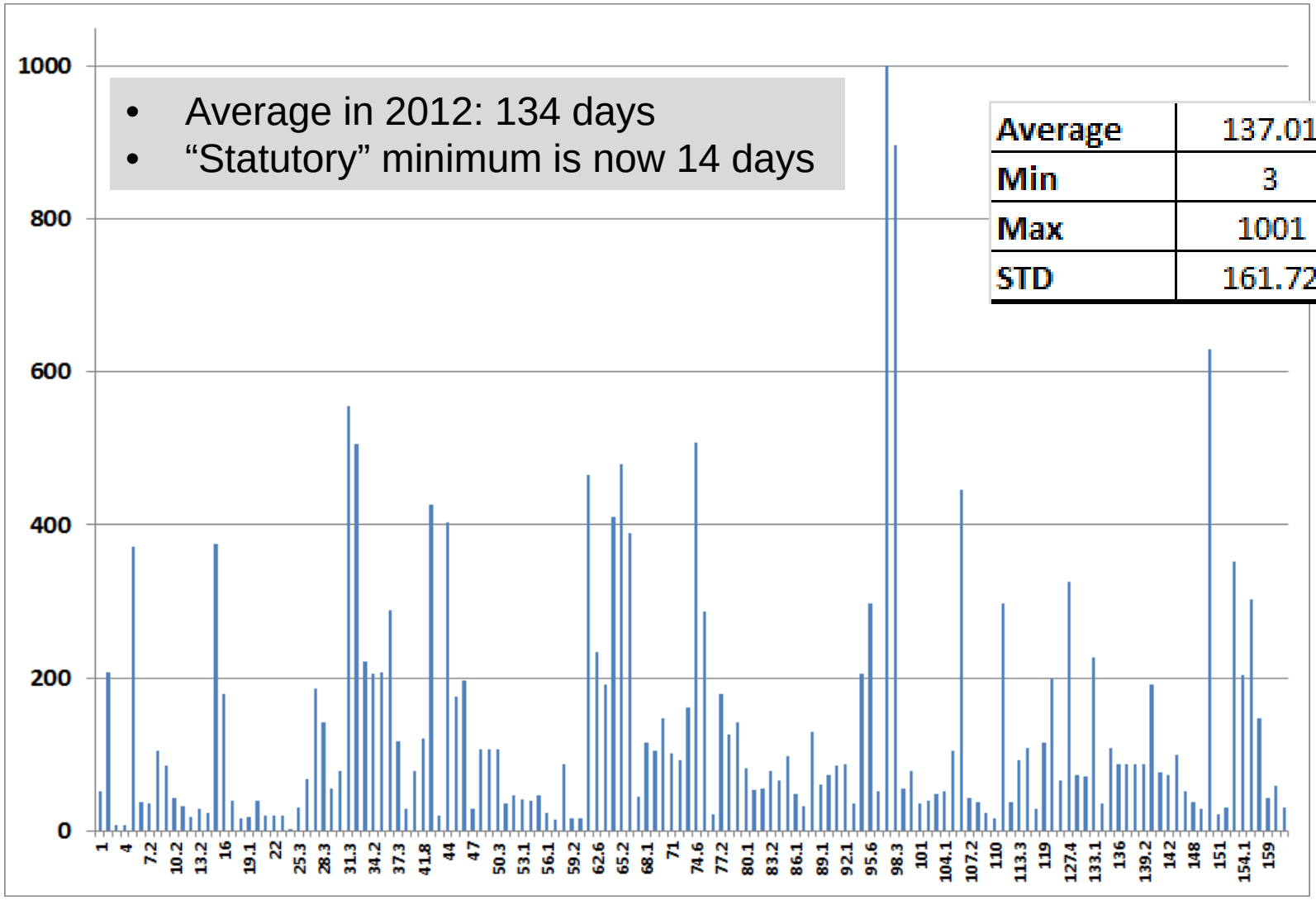
- IBIS has moved to a new “parent”: SAE, Inc.
- IBIS Ver. 6.0 approved Sept. 20, 2013
  - IBISCHK6 expected before June 2014
- 15 BIRDs or BIRD updates submitted
  - 7 approved, 10 rejected (includes BIRDs from 2010 and later)
- Asian and European Summits Continue
  - 280 attendees in Shanghai, Taipei, and Yokohama
  - IBIS in Europe continues with SPI-E 2013 in Paris

IBIS DEVELOPMENT DATA

How Long Do Versions "Live"?



How Long are BIRDs Considered?

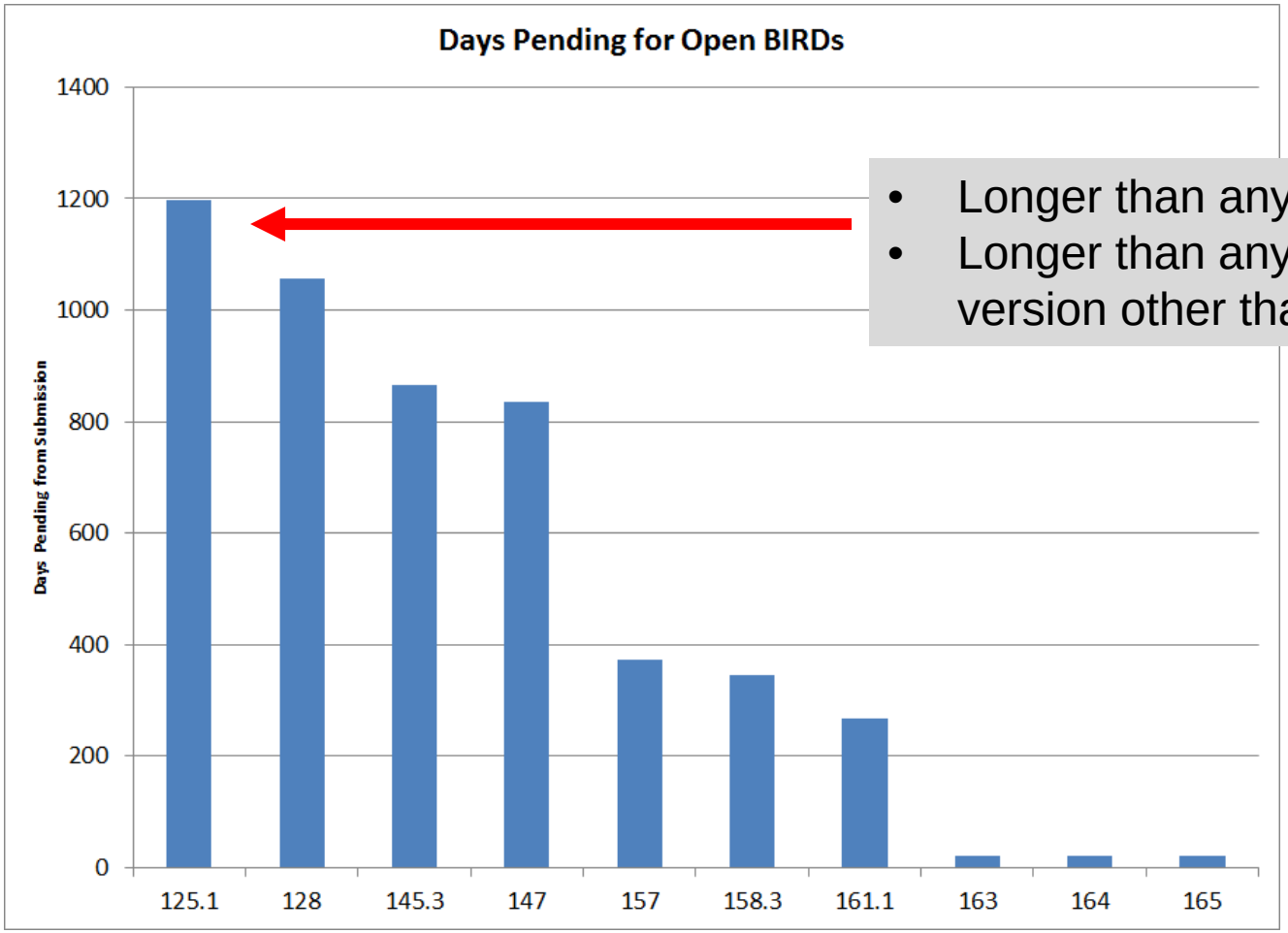


- Average in 2012: 134 days
- "Statutory" minimum is now 14 days

Average	137.01
Min	3
Max	1001
STD	161.72

Pending BIRDs

- 10 BIRDs are open, mostly package-related



- Longer than any other BIRD
- Longer than any IBIS version other than 5.0!

PLANNING THE FUTURE

Is a 6-month Schedule Feasible?

- Recall the 6-month development schedule (see Backup)
  - 4 months of technical discussion
  - 2 months of editing
  - Approval votes in May and Nov. of each year
- To maintain this schedule, close all BIRDs by March 1
  - May 16th approval vote for next IBIS version
  - IBIS 6.0 has 50 days left on its 6-month “life”
  - Is this sensible with a ~6 month parser development schedule?
  - Is absorption time of IBIS by industry actually 1 year or more?
- *Which* version of IBIS is the next one?
  - IBIS 6.1 means new parser development would be free to licensees (expensive for Open Forum)
  - IBIS 7.0 means raising new fees from licensees
  - Date-based versioning is a proposed alternative

Proposal for Discussion

- Move to combined membership + parser contribution model in 2015
  - Membership fee would include an amount specifically for parser software development
- Move to new version numbering at same time
  - Remove distinction between major and minor releases based on features
  - Date-based version accommodates this
  - Standardization may take place at any time
- Proposal: make next version 6.1
  - Keywords/features in IBIS *per se* likely minimal
  - IBIS-ISS parsing becomes a focus

Looking Ahead

- Focus areas for 1H 2014
  - Resolve all packaging BIRDs and finalize packaging direction for IBIS as a modeling approach
- Return to IBIS-ISS parser
  - IBIS-ISS a focus under all today's package proposals
  - Call for parser bids ready but potentially stale
- Once IBIS updates are complete…
  - New charter and elections schedule under SAE

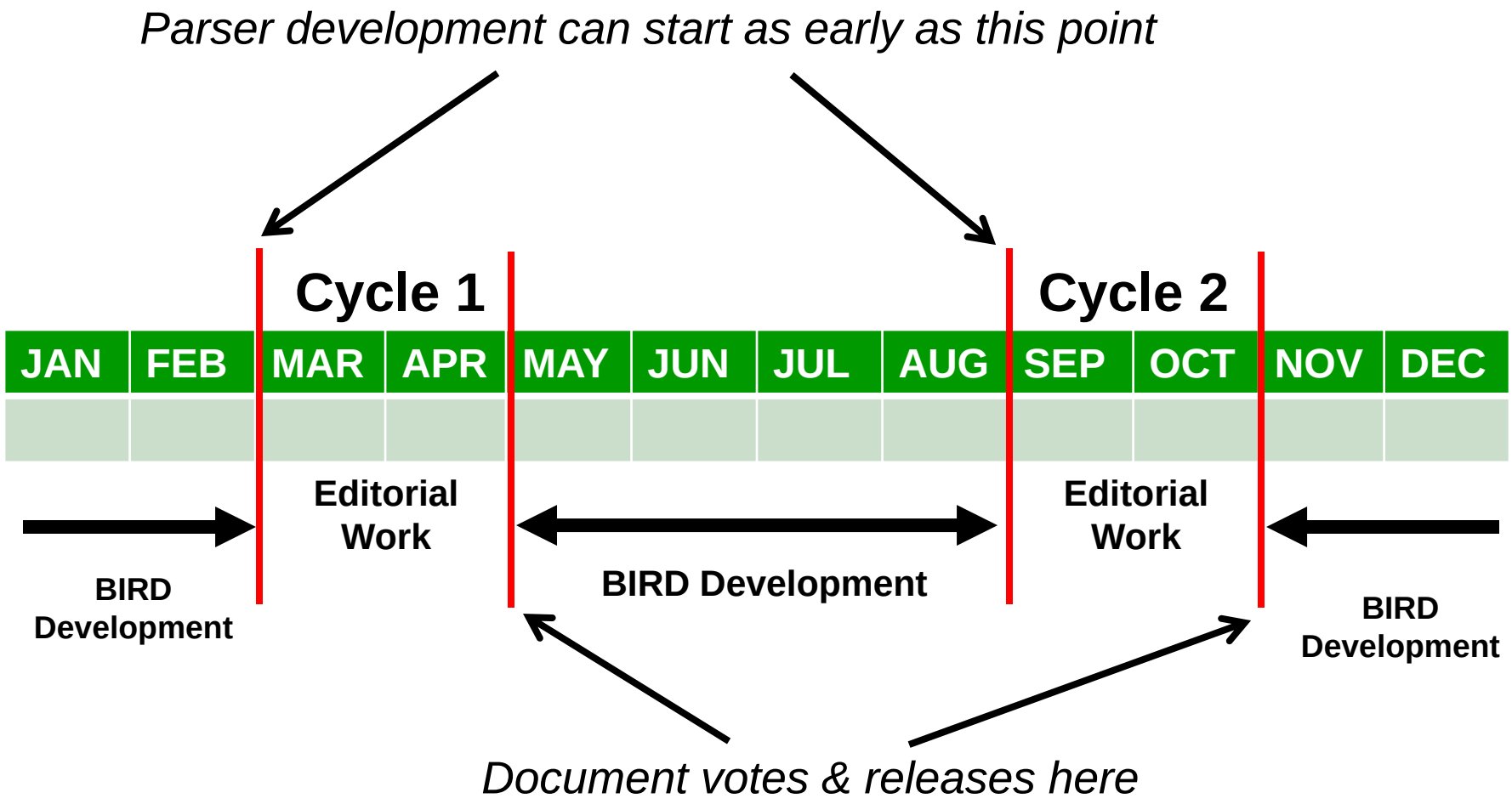
Thanks for another great year!

Backup

Release Schedule for IBIS

- Moving to a regular, software-like release plan
  - Allows better planning by “customers” (IBIS community)
  - Keeps number of changes manageable
  - Reduces & stabilizes parser development cycle time and cost
- Two “cycles”, each with two parts
  - Cycle 1
    - *Nov. – Feb.: technical development*
    - *March 1 – close technical changes*
    - *May 1 – close final document (editorial fixes in-between)*
  - Cycle 2
    - *May – Aug.: technical development*
    - *Sept. 1 – close technical changes*
    - *Nov. 1 – close final document (editorial fixes in-between)*

How Does This Work?



IBIS Post-6.0 BIRDs So Far

ID#	Issue Title	Requester	Submitted	Days Open
125.1	Make IBIS-ISS Available for IBIS Package Modeling	Arpad Muranyi, Mentor Graphics	21-Oct-10	1198
128	Allow AMI_parameters_out to pass AMI_parameters_in data on calls to AMI_GetWave	Walter Katz, SiSoft	11-Mar-11	1057
145.3	Cascading IBIS I/O buffers with [External Circuit]s using the [Model Call] keyword	Taranjit Kukal, Ambrish Varma, Cadence Design Systems, Inc. Arpad Muranyi, Mentor Graphics.	19-Sep-11	865
147	Back-channel support	Marcus Van Ierssel, Snowbush IP; Kumar Keshavan, Sigrity, Inc.; Ken Willis, Sigrity, Inc.; Walter Katz, SiSoft	18-Oct-11	836
157	Parameterize [Driver Schedule]	Arpad Muranyi, Mentor Graphics; Romi Mayder, Xilinx	24-Jan-13	372
158.3	AMI Touchstonefile (R) Analog Buffer Models	Walter Katz, Signal Integriity Software, Inc.	20-Feb-13	345
161.1	Supporting Incomplete and Buffer-only [Component] Descriptions	Michael Mirmak, Intel Corp.	8-May-13	268
163	Instantiating and Connecting [External Circuit] Package Models with [Circuit Call]	Arpad Muranyi & John Angulo, Mentor Graphics; Ambrish Varma & Brad Brim, Cadence Design Systems, Inc.	9-Jan-14	22
164	Allowing Package Models to be defined in [External Circuit]	Ambrish Varma & Brad Brim, Cadence Design Systems, Inc.; Arpad Muranyi, Mentor Graphics	9-Jan-14	22
165	Parameter Passing Improvements for [External Circuit]s	Arpad Muranyi & John Angulo, Mentor Graphics; Ambrish Varma & Brad Brim, Cadence Design Systems, Inc	9-Jan-14	22

Q/A