

IEEE 802 Plenary Meeting
November 2011, Atlanta, Georgia
802.1 Meeting Minutes, 7-10 September 2011

Attendees

Opening Plenary (Monday, 7 November)

The Chair (Tony Jeffree) presented the opening plenary slides. See Tony's opening plenary slides at:

<http://www.ieee802.org/1/files/public/minutes/2011-11-opening-plenary-slides.pdf>

The Chair pointed out that he would be keeping the opening plenary short by summarizing most of the administrative information.

General information is here:

<http://www.ieee802.org/1/files/public/minutes/802-1-general-info-v3.pdf>

Meeting "Decorum" - or rules - including the policy on declaration of members of the press, recording and/or reporting of meetings, silencing of cell phones, and security.

The Chair reviewed general administrative information, including 802.1 officers, web-site and access information, eligible voters, etc.

The Chair talked briefly about the upcoming Chair and Vice-Chair elections in March, 2012. He plans to stand for re-election. Paul Congdon is not sure that he will be. As Tony has been the Chair for nearly 12 years, he will have to obtain approval out of this meeting to allow him to stand for re-election in March.

Tony cautioned that he does not plan to stand for re-election in 2014, and the group should look for characteristics in a Vice-Chair that might make for a good Chair starting in 2014.

The Chair covered slides on IEEE-SA recommended policy statements to be reviewed at least once a day during meetings this week. These slides included:

- Instructions to WG (and TG) Chairs
- Participants, Patents and Duty to Inform
- Patent Related Links
- Call for Potentially Essential Patents
- Compliance with applicable laws, including anti-trust/anti-competition

The Chair asked if there was anyone who was prepared to make any statement(s) with respect to any potentially essential patents.

There was no response to the call for patents. There were no questions on the Patent policy.

The Chair reviewed the schedule for future Interim meetings, which included:

- January, 2012 – Munich, Germany – 16-19 January: Registration information is available on the web-site at this time.
- May 2012 – York, UK – John will have a presentation for Thursday – John will look into making this meeting Tuesday through Friday (15-18 May).
- September, 2012 – Potential meeting in Santa Cruz, CA.

The Chair summarized the Executive Committee meeting (see opening plenary slides for additional information and details). Items directly affecting this meeting were:

- IEEE standards sales channel
- Standards consolidation proposal
- 802.23: draft does not seem to be attracting participants
- SA International Programs
- GET 802 update – TBA
- Treasurers Report
 - July: \$50K loss mostly on food/beverages & social – large number of guests (may have this problem again in Hawaii). 817 attendees.
 - Estimated 785 attendees, \$28K surplus
- Balance pool policy change
- 802 Overview & Architecture: Meeting Tuesday and Thursday, 8-10 PM
- 1905.1 liaison
- P&P – not much going on
- July 2013 Plenary selection: Geneva go/no-go decision. Hotel room rates getting higher due to currency shifts, not clear what meeting fees will be, given free facilities. Decision will be made on Friday (fall-back is Nanjing, PRC)
- Tutorials: Broadband extensions & monitoring, and Smart Grid status
- 802.3 CFI Tuesday PM – coax version of EPON
- EC workshop Saturday and Sunday
- 802/JTC1 ad-hoc meetings
- myBallot – changes and updates to the balloting tools

- Meeting planner/net service provider contract
- 802 task force agenda Wednesday 1-3 PM 802 Boardroom
- CD distribution – considering USB sticks, or files on the local server
- Extend use of projectors for interim meetings

Policy Changes (effective January 2012) – 31 slides (see opening plenary slides)

- Re-affirmation/Stabilization – none going forward
- Interpretations – no interpretations starting January 2012
- ANSI – Balance Rule Resolution changes to be implemented 1 March, 2012
- Invited Experts – effective January 2012 this category of reviewer will cease to exist
- Match Rule – eliminated effective January 2012
- Public Notice/Patent Disclaimer – a single front-matter disclaimer will be used starting January 2012.

There were a large number of comments on the proposal currently being put forward.

The Chair then covered the following topics:

- Joint meetings
 - Tuesday 1:30 PM - Interworking/DCB
 - Wednesday 9 – 10:30 AM AVB/802.3
 - Thursday 8 AM to 12:30 PM – AVB/802.11
- 3 external liaison contributions circulated recently
 - <http://www.ieee802.org/1/files/public/docs2011/liaison-mef-I00147-000-lrqst-re-soam-pm-bjorkman-1111.docx>
 - <http://www.ieee802.org/1/files/public/docs2011/liaison-itut-sg15-ls-331-1111.zip>
 - <http://www.ieee802.org/1/files/public/docs2011/liaison-itut-sp14-sg11-ols-00069-1111.pdf>
- PARs for the week – none for 802.1 (see slides for other PARs)
- Task Group Agendas:
 - Maintenance Task Group meeting 6-8 PM Tuesday
 - Interworking (Steve Haddock)
 - A rough outline of the 802.1 Interworking Task Group agenda for the July plenary meeting in San Diego is available at:

<http://www.ieee802.org/1/files/public/docs2011/admin-interworking-agenda-1111-v1.pdf>

- DCB (Pat Thaler)

- The DCB agenda is available at:

<http://www.ieee802.org/1/files/public/docs2011/admin-thaler-dcb-agenda-1111.doc>

- AVB (Michael Johas Teener)

- The text file for AVB agenda is available at:

<http://www.ieee802.org/1/files/public/docs2011/admin-mjt-avb-agenda-1111-v3.pdf>

- Maintenance (Paul Congdon)

- Paul presented the maintenance agenda. See:

<http://www.ieee802.org/1/files/public/docs2011/maint-congdon-opening-1111-v2.pdf>

The Chair asked if there were any other items to discuss and – hearing none – adjourned the opening plenary meeting.

Task Group Minutes

Interworking Minutes

Monday, 7 November

Meeting called to order at 9:00am.

Stephen Haddock presented patent policy slides. No response to the call for patents.

Stephen Haddock presented the preliminary agenda for the week.

802.1AXbk LACP Addressing: John Messenger presented an editor's report and conducted comment resolution on the Working Group recirculation ballot for 802.1AXbk-d1.3 LACP Addressing.

<http://www.ieee802.org/1/files/public/docs2011/axbk-messenger-editor-report-1111-v02.pdf>

<http://www.ieee802.org/1/files/private/axbk-drafts/d1/802-1AXbk-d1-3-dis-v1.pdf>

802.1ac MAC Service Definition: John Messenger presented an editor's report and conducted comment resolution on the Working Group recirculation ballot for 802.1ac-d1.3 MAC Service Definition.

<http://www.ieee802.org/1/files/public/docs2011/ac-messenger-editor-report-1111-v02.pdf>

<http://www.ieee802.org/1/files/private/ac-drafts/d1/802-1ac-d1-3-dis-v2.pdf>

Break at 10:45am for the 802.1 Opening Plenary.

Interworking Task Group called to order at 2:00pm.

802.1aq SPB: Don Fedyk conducted comment resolution on the Sponsor ballot for 802.1aq-d4.3 Shortest Path Bridging. The ballot passed with 59 approve, 3 disapprove, and 3 abstain from a ballot group of 75. Based on the comment resolution and subsequent changes, there will be a recirculation ballot.

<http://www.ieee802.org/1/files/private/aq-drafts/d4/802-1aq-d4-3-pdis-v2.pdf>

Adjourn at 6:10pm.

Tuesday, 8 November

Meeting called to order at 9:00am.

Stephen Haddock gave the call for patents. There was no response to the call for patents.

802.1aq SPB: Don Fedyk continued comment resolution on the sponsor ballot for 802.1aq-d4.3 Shortest Path Bridging.

802.1ac MAC Service Definition: John Messenger continued comment resolution on the Working Group recirculation ballot for 802.1ac-d1.3 MAC Service Definition.

Break at 12:45 pm.

Resume at 2:00pm

802.1aq SPB: Don Fedyk continued comment resolution on the sponsor ballot for 802.1aq-d4.3 Shortest Path Bridging.

Adjourn at 3:30pm to begin the joint meeting of Interworking and Data Center Bridging Task Groups. Included in this session was a presentation on the All Path proposal from Jun Tanaka:

<http://www.ieee802.org/1/files/public/docs2011/new-jtanaka-All-Path-update-1111-v02.ppt>

Wednesday, 9 November

Meeting called to order at 8:00am.

Stephen Haddock presented patent policy slides. No response to the call for patents.

802.1aq SPB: Don Fedyk concluded comment resolution on the sponsor ballot for 802.1aq-d4.3 Shortest Path Bridging.

802.1ac MAC Service Definition: John Messenger continued comment resolution on the Working Group recirculation ballot for 802.1ac-d1.3 MAC Service Definition.

<http://www.ieee802.org/1/files/public/docs2011/ac-messenger-structure-choices-1111-v03.pdf>

Break at 12:15 pm.

Resume at 1:30pm

802.1ac MAC Service Definition: John Messenger concluded comment resolution on the Working Group recirculation ballot for 802.1ac-d1.3 MAC Service Definition.

802.1Qbp ECMP: Ben Mack-Crane conducted comment resolution on the first task group ballot for 802.1Qbp-d0.1 SPBM Equal Cost MultiPath.

<http://www.ieee802.org/1/files/public/docs2011/bp-mackcrane-editor-notes-1111.pdf>

<http://www.ieee802.org/1/files/private/bp-drafts/d0/802-1bp-d0-1-pdis-v2.pdf>

Adjourn at 6:00pm.

Thursday, 10 November

Meeting called to order at 8:00am.

Stephen Haddock presented patent policy slides. No response to the call for patents.

802.1AXbq DRNI: Norm Finn gave a progress update on generating draft 0.5 and some of the issues that need to be resolved.

<http://www.ieee802.org/1/files/public/docs2011/axbq-nfinn-editors-notes-1111-v01.pdf>

Presentations were given on the DRNI models and MEP placement by Stephen Haddock, by Maarten Vissers and Mandar Joshi:

<http://www.ieee802.org/1/files/public/docs2011/axbq-haddock-multicomponent-models-1111-v02.pdf>

<http://www.ieee802.org/1/files/public/docs2011/axbq-vissers-drni-data-plane-model-I-and-II-comparison-1011-v00.pptx>

<http://www.ieee802.org/1/files/public/docs2011/axbq-mjoshi-Distributed-Agg-sublayer-and-some-thoughts-1111-v02.pdf>

<http://www.ieee802.org/1/files/public/docs2011/axbq-vissers-drni-with-vuni-1011-v01.pptx>

Presentation slots were requested for three more presentations, however they was insufficient time to actually hear the presentations. These presentations were uploaded:

<http://iee802.org/1/files/public/docs2011/axbq-vissers-dnp-architectures-1111-v3.pptx>

<http://www.ieee802.org/1/files/public/docs2011/axbq-mjoshi-DRNI-Application-perspective-v5.pdf>

<http://www.ieee802.org/1/files/public/docs2011/axbq-huang-faster-hello-1111-v00.pdf>

802.1Qbp ECMP: Peter Ashwood-Smith gave a presentation on shared trees:

<http://www.ieee802.org/1/files/public/docs2011/bp-ashwood-shared-trees-1011-v03.pdf>

Adjourn at 1:00pm

DCB Minutes

Monday, 7 November

Meeting started at 2 PM.

Pat Thaler opened the meeting by presenting and reviewing the patent policy and then made a call for patents. Nobody responded to the call for patents. Pat reviewed the guidelines for IEEE WG meetings.

Tony Jeffree presented an Editor's report on 802.1Qbg and then did comment resolution. All comments were resolved. The comment list had:

- 17 comments
- 26 Approve
- 1 Disapprove
- Abstain 16
- Voter Response 84.6%

Ballot passes

We discussed Sponsor Ballot for 802.1Qbg and concluded that we could do a WG re-circulation and a Sponsor Ballot before January meeting.

Break at 3:00

Joe Pelissier lead the comment resolution on 802.1BR. All non-editorial comments were reviewed.

- 75 comments
- 12 Approves
- 4 Disapproves

Ballot passed with 81% approval

We discussed Sponsor Ballot for 802.1BR and concluded that we could do a WG re-circulation and a Sponsor Ballot before January meeting.

Tuesday, 8 November, 2 PM

Pat opened the meeting and asked if we had any ballot resolution work for 802.1Qbg or 802.1BR or other business. We had no new ballot resolution or business to discuss. Pat adjourned the meeting until 3:30 when we re-convene with the Interworking Task Group.

Tuesday, 8 November, 3:30 PM – Joint meeting with Interworking

Pat opened the joint Interworking and DCB meeting. Reviewed the patent policy and made a call for patents.

Joe Pelissier presented 4 802.1BR ballot comments which were considered issues for the joint meeting. All were resolved.

We had an open discussion on LLDP for Link Aggregation. A feature will be added to for 802.1AXbq to allow a service access point per link which LLDP could use to receive or inject frames. The use of the SAP is not being defined in 802.1AXbq. We discussed a possible new PAR to do the modifications needed to LLDP.

Jun Tanaka presented an update on the All-Path Bridging mechanism which may be useful for DCB or AVB.

Joint meeting adjourned.

AVB Minutes

Monday, 7 November, PM

Meeting called to order at 2:00 PM.

Michael Johas Teener presented patent policy slides. There was no response to the call for patents.

We reviewed the agenda. We added a time slot on Tuesday for Norm Finn to present on real-time latency.

Geoffrey Garner presented the Corrigendum for 802.1AS (30 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/as-garner-kim-802-1-AS-corrections-0511-v7.pdf>

Lu Huang presented on the proposed 802.1ASbt feature for *Management Support for Automatic Measurement of Link Delay Asymmetry* (30 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/asbt-huang-measurement-of-link-delay-asymmetry-1031-v00.pdf>

Geoffrey Garner presented *Initial Summary of Work Items for 802.1ASbt (802.1AS Amendment)*. Geoff's goal was to obtain an initial scope for each item prior to proceeding to detailed presentations or edits (180 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/as-garner-summary-of-work-needed-for-p802-1ASbt-1111.pdf>

Tuesday, 8 November, AM

Franz-Josef Goetz presented *Ultra Low Latency Traffic Class @Industry* (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/new-fjg-ULLStreams-Routing-Scheduling-1111-v01.pdf>

Norman Finn presented *Real-time Networks and Preemption* (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/new-avb-nfinn-real-time-networks-1111-v03.pdf>

Yong Kim presented *Very Low Latency Packet Delivery Requirements and Problem Statements* (30 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/new-avb-kim-very-low-latency-packet-delivery-problem-statements-1111-v01.pdf>

Don Pannell presented *AVB Generation 2 Latency Improvement Options* (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/new-avb-pannell-latency-options-1111-v2.pdf>

Tuesday, 8 November, PM

Christian Boiger presented *Meeting the AVB Gen 2 Latency Requirements* (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/new-avb-boiger-meeting-gen2-latency-req-1111.pdf>

Members of the task group discussed proposals for industrial and automotive latency requirements, including preemption and time-aware traffic shaper (120 minutes).

Dave Olsen presented *Real World SRP Limitations* (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/avb-dolsen-srp-limitations-v2.pdf>

Dave Olsen presented *AVB Domain Boundary Detection* (30 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/avb-dolsen-domain-boundaries-v1.pdf>

Wednesday, 9 November, AM

We held a joint meeting with 802.1 AVB and 802.3 to discuss preemption (90 minutes). Michael Johas Teener introduced the topic.

- <http://www.ieee802.org/1/files/public/docs2011/avb-new-ull-intro-for-802.pdf>

Christian Boiger presented a summary of content from the previous day's AVB meeting.

- <http://www.ieee802.org/1/files/public/docs2011/new-avb-boiger-joint-AVB-802-3-1111.pdf>

Norm Finn presented an update to his presentation from the previous day's AVB meeting.

- <http://www.ieee802.org/1/files/public/docs2011/new-avb-nfinn-real-time-networks-1111-v04.pdf>

Karl Weber presented on redundancy (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/as-kweber-syncRedundancy-110914.pdf>

Wednesday, 9 November, PM

Oliver Kleineberg presented *Redundancy for Fault Tolerance and AVB – Possible Future of a Lightweight SRP* (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/at-kleineberg-AVB-media-redundancy-1111-v02.pdf>

We discussed a proposed PAR for time-aware shaper (30 minutes).

Philippe Klein presented *SRP Multipath Stream Selection* (60 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/avb-phkl-srp-stream-path-selection-1111-v01.pdf>

Philippe Klein presented *White Paper - Control Plane Implementation on Coordinated Shared Networks (CSN)* for subsequent feedback from the task group (10 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/avb-phkl-wp-csn-ctrl-plane-1111-v01.pdf>

Yong Kim presented *Bridge Latency Worksheet for 5 AVB hop 100 Mb/s Automotive System* (30 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/new-avb-kim-automotive-preemption-latency-1111-v02.xls>

Dave Olsen presented *neighborPropDelayThresh Defaults*, discussing issues with 802.1AS and buffered repeaters (30 minutes).

- <http://www.ieee802.org/1/files/public/docs2011/as-dolsen-neighborPropDelay-v1.pdf>

Thursday, 10 November, AM

We held a joint meeting with 802.1 AVB and 802.11aa (60 minutes).

Maintenance Task Group Minutes

Tuesday, 8 November

1. The TG chair made the call for patents. No responses were recorded.
2. A brief review of the current status was discussed prior to walking through the open items
3. Item 0003
 - a. Document is still in sponsor ballot. Comment is being address, but no status change for this meeting.
4. Item 0005
 - a. Still waiting for a project, but as discussed in 0009, we will be revising the AXbq PAR to be a full revision, so this will get incorporated there.
5. Item 0006
 - a. No status change, will likely enter balloting next meeting.
6. Item 0007
 - a. Qbg is still in working group recirculation ballot, but the comment has been address in the last phase
7. Item 0008
 - a. Qbg is still in working group recirculation ballot, but the comment has been address in the last phase.
8. Item 0009
 - a. The editor of AXbq agreed to address these issue, but a scope change is needed in the project. The maintenance TG agreed that we should convert AXbq to a full revision project. Alternatives such as a separate amendment project were

discussed but rejected. Motions will be required on Thursday to pre-circulate the new PAR. This may require a change in the project name to AX-Rev (we think). We will need to revise the PAR at the interim. AXbk will still finish and go to sponsor ballot. The based text of AXbk will be rolled into AX-Rev.

9. Item 0010

- a. Same as 0007. Included in Qbg which is still in working group recirculation ballot

10. Item 0011

- a. Normative text is correct in 34, but if someone was looking at the non-normative text this could cause a problem. The group felt this problem was significant enough to justify a corrigendum project. The editor believes the corrigendum can be done quickly.
- b. The corrigendum PAR would be written to identify the technical change and then bundle in known typos which are potentially maintenance items (0012, 0013, 0015, 0017). It is possible to raise this PAR during this meeting.

11. Item 0012

- a. This is also a candidate for corrigendum PAR as well, but the figure is not normative.
- b. There is also a plan to create an addition of Q and it should be determined if this can be addressed in the roll-up. We believe not, but we need to check if editorial changes can be made to the base document in the roll-up

12. Item 0013

- a. Candidate for the corrigendum as a known typo. Move to ready for balloting.

13. Item 0014

- a. Since there is no open AB amendment we put this in the ready for ballot phase. Note that AB at some point it would be good to remove the Annex of AB for .1 and .3 TLVs.

14. Item 0015

- a. Candidate for the corrigendum as a known typo. Move to ready for balloting.

15. Item 0017

- a. Candidate for the corrigendum as a known typo. Move to ready for balloting.

16. Meeting was adjourned.

Closing Plenary (Thursday, 10 November, 2011)

Closing Plenary slides are available at:

- <http://www.ieee802.org/1/files/public/minutes/2011-11-closing-plenary-slides.pdf>

The Chair (Tony Jeffree) led discussion of the following items:

- Material already covered in the opening plenary
 - Officers (no change)
 - Voter status (see slides)
 - Patent policy and call for patent – **no response**
- Future meetings
 - 16-19 January, 2011 –
 - NSN hosting a meeting in Munich – see: <http://www.ieee802.org/1/files/public/docs2011/admin-brandner-jan12-munich-meeting-1111.pdf>
 - March 11-16 Plenary meeting in Waikoloa, Hawaii
 - Options listed in the slide set

Chair ran a straw poll on the four choices:

- Choice 1 – 2
 - Choice 2 – 7
 - Choice 3 – 30
 - Choice 4 – 7
- 15-18 May , 2011 (Tuesday through Friday) –
 - ADVA Optical hosting in York, UK
 - Register and Book Hotel by 30 March for the best rate

The Chair asked for a show of hands as to how many plan to attend the Interim meeting in York.

- There's and offer to host an Interim meeting 10-13 September, in Santa Cruz, CA

Rudy Brandner went through his updated presentation on the Munich Interim (see <http://www.ieee802.org/1/files/public/docs2011/admin-brandner-jan12-munich-meeting-1111.pdf>)

- Officer Elections
 - There will be a motion to allow Tony to stand for election again
- 802.15 KMP PAR
 - The Chair would like to get a feel for how 802.1 working group would like him to respond to this
 - There was a brief discussion on this topic
- Task Group reports:
 - Steve summarized progress in Interworking and likely next steps
 - They made good progress
 - No Liaison work was done during the week

- Paul Congdon gave a summary of progress in the Maintenance Task Group (see closing plenary slides)
 - One item involved an 802.1Q Corrigendum to address one error in an appendix and a number of minor typos
 - Tony said that this should go very quickly and he plans to circulate a modified version for the next meeting.
- Michael talked about progress made this week in AVB
 - He showed an updated agenda slide that is available at: <http://www.ieee802.org/1/files/public/docs2011/admin-mjt-avb-agenda-1111-v4.pdf>
- Pat Thaler summarized progress in DCB and next steps –
 - Ballot Progress
 - 802.1Qbg –
 - resolved recirculation ballot comments
 - (hopefully) one more recirculation ballot needed
 - Plan to request conditional approval to go to Sponsor Ballot
 - 802.1BR –
 - Resolved recirculation ballot comments
 - (hopefully) one more recirculation ballot needed
 - Plan to request conditional approval to go to Sponsor Ballot
 - Planning to continue scheduled conference calls
 - Security Task Group did not meet, but there have been some new work proposals
- Sanity check – current workload review (see slides)
- No Liaisons
- Motions (see the closing slides):

Tony stepped down to allow Paul Congdon to call the motion to allow Tony to stand for election again in March.

Results (For/Against/Abstain): 36/0/0

Minutes for the July Plenary and September Interim were approved by acclamation.

See Closing Plenary slides for other motions made during the meeting. The Closing Plenary slides can be found at:

<http://www.ieee802.org/1/files/public/minutes/2011-07-closing-plenary-slides.pdf>

Closing Plenary adjourned

Meeting Materials

Contributions up-loaded since September, 2011:

- September –

<http://www.ieee802.org/1/files/public/docs2011/axbk-messenger-editor-report-0911-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-vissers-drni-and-distributed-protection-examples-a3-0911-v01.pptx>

- October –

<http://www.ieee802.org/1/files/public/docs2011/ac-messenger-editor-report-1011-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbk-messenger-editor-report-1111-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-haddock-multiple-drni-support-1011-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-huang-faster-hello-1111-v00.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-nfinn-IBEBs-1011-v1.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-nfinn-IBEBs-1011-v2.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-nfinn-encaps-v-timeshare-1011-v1.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-vissers-drni-data-plane-model-I-and-II-comparison-1011-v00.pptx>
<http://www.ieee802.org/1/files/public/docs2011/axbq-vissers-drni-dnp-interaction-v01.pptx>
<http://www.ieee802.org/1/files/public/docs2011/axbq-vissers-drni-with-vuni-1011-v00.pptx>
<http://www.ieee802.org/1/files/public/docs2011/qbp-ashwood-sharedtrees-1011-v00.pdf>

- November -

<http://www.ieee802.org/1/files/public/docs2011/admin-brandner-jan-2012-hotel-reservation-form-1112-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2011/as-garner-kim-802-1-AS-corrections-0511-v6.pdf>
<http://www.ieee802.org/1/files/public/docs2011/as-garner-summary-of-work-needed-for-p802-1ASbt-1111.pdf>
<http://www.ieee802.org/1/files/public/docs2011/axbq-vissers-dnp-architectures-1111-v1.pptx>
<http://www.ieee802.org/1/files/public/docs2011/liaison-itut-sg15-ls-331-1111.zip>
<http://www.ieee802.org/1/files/public/docs2011/liaison-itut-sp14-sg11-ols-00069-1111.pdf>
<http://www.ieee802.org/1/files/public/docs2011/liaison-mef-100147-000-lrqt-re-soam-pm-bjorkman-1111.docx>
<http://www.ieee802.org/1/files/public/docs2011/new-seaman-1AEbt-extended-packet-numbering-1111-v03.pdf>

Contributions up-loaded on 7 November:

<http://www.ieee802.org/1/files/public/docs2011/ac-messenger-editor-report-1111-v02.pdf>
<http://www.ieee802.org/1/files/public/docs2011/admin-interworking-agenda-1111-v1.pdf>
<http://www.ieee802.org/1/files/public/docs2011/admin-thaler-dcb-agenda-1111.doc>
<http://www.ieee802.org/1/files/public/docs2011/as-garner-kim-802-1-AS-corrections-0511-v7.pdf>
<http://www.ieee802.org/1/files/public/docs2011/as-kweber-syncRedundancy-110914.pdf>
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