

IEEE P802.15 Working Group for Wireless Personal Area Networks

TG1 Report #1

Hyatt Regency Kaua'i, 1571 Poipu
Road Koloa, HI USA

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Santa Rosa - Overview

- ✓ PROVIDED AN OVERVIEW OF THE BLUETOOTH SPECIFICATION(S), VIA TUTORIALS
- ✓ PROVIDED A PLAN FOR AN INITIAL DRAFT STANDARD
- X VOTE TO SUBMIT THE DRAFT TO WG LETTER BALLOT #1
- X VOTE TO REVIEW THE COMMENTS FROM WG LB #1 IN NOV99 PLENARY
- ✓ VOTE TO EMPOWER THE TG1

Santa Rosa - Vote on TG1 Draft Processing

Motion: To empower the TG1 Chair and Vice Chair to release the Bluetooth submission on behalf of TG1 to the 802.15 WG and to make a motion to the 802.15 WG to submit the Draft to Letter Ballot.

Requires 75%

Moved: Tom Siep

Second: Chatschik Bisdikian

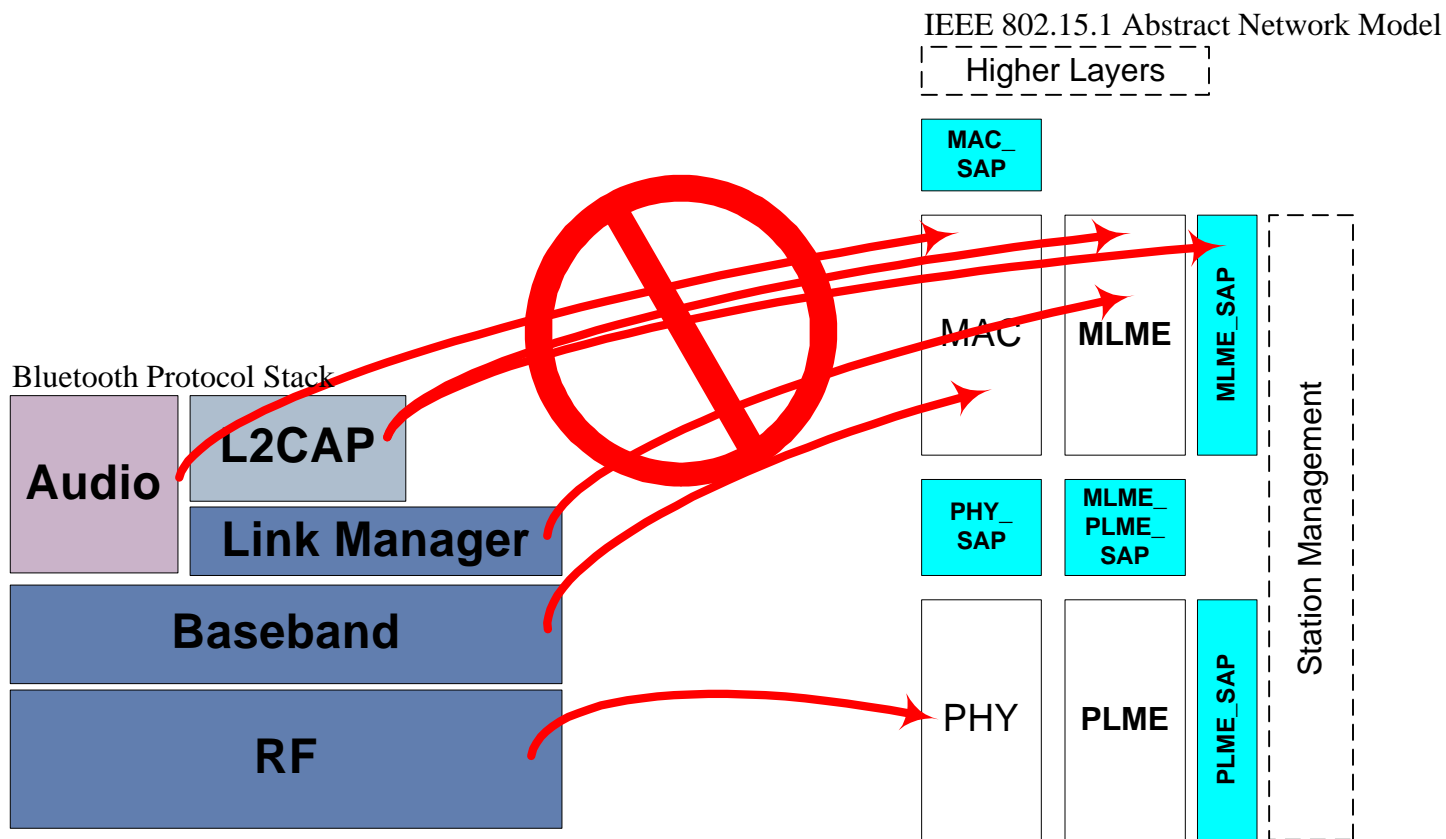
All in Favor: 16

All Opposed: 1

Abstaining: 0

Passed

Santa Rosa - Mapping Overview



Source: doc.: IEEE 802.15-99/071r0, "Mapping the Bluetooth Specification to IEEE 802.15.1", Tom Siep, TI

The TG1 Issues are:

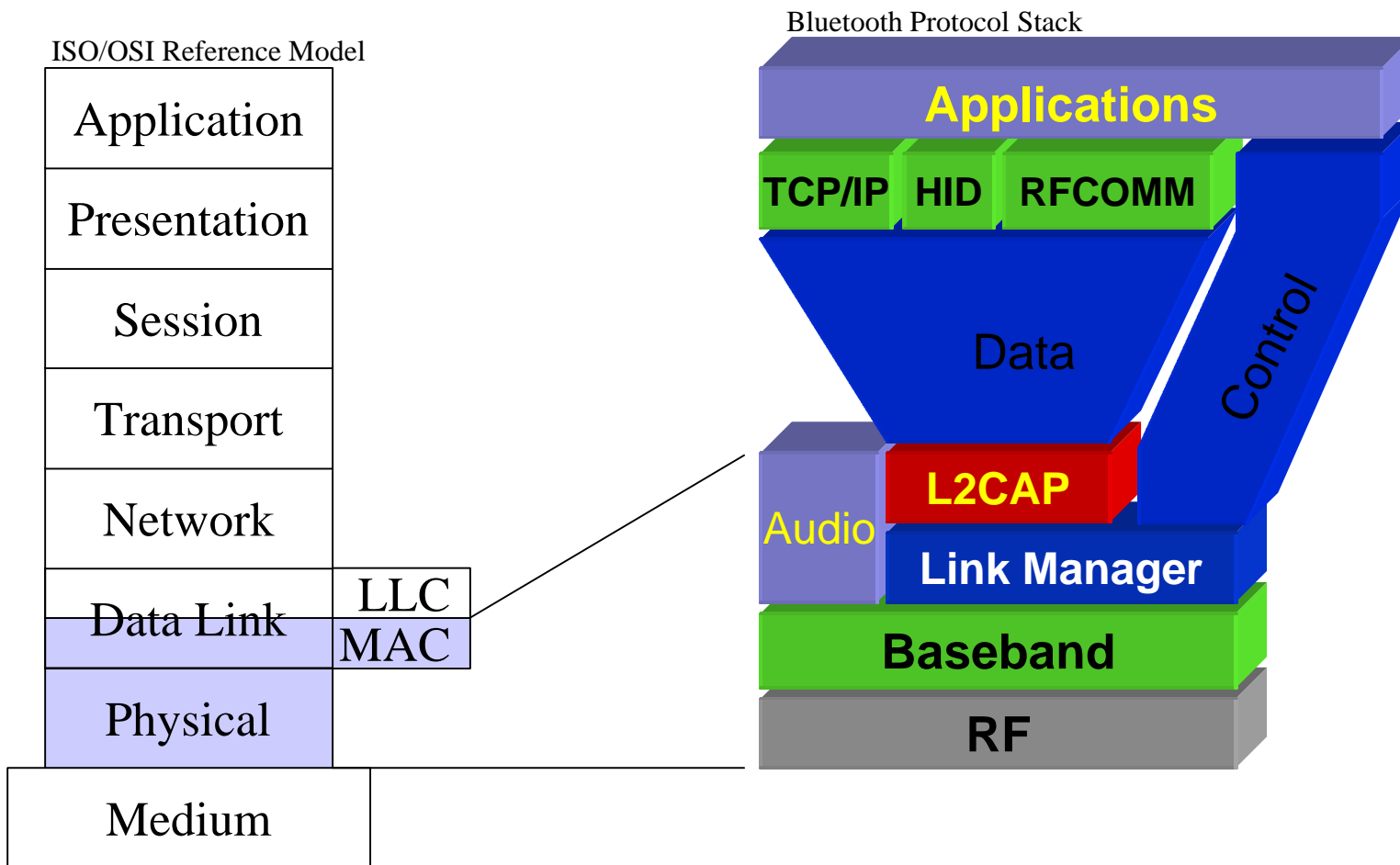
- We think that our efforts would really be wasted if we develop an 802.15.1 standard that:
 - is too late to be relevant to the market
 - parallels (but not leveraged by) the original Bluetooth spec
 - is confusing to the people that are already familiar with the Bluetooth spec
 - unintentionally deviates from the original spec
- Therefore the v0.6 standard is 1:1 Bluetooth

Kaua'i - Main Outline Overview (D0.6)

- Clauses 1 through 4: IEEE-required reference material
- Clause 5: Overview
- Clause 6: PHY (Direct copy of Part A, Radio Specification [1.0a])
- Clause 7: MAC Short introduction, followed by
 - *Section 7.1 (Direct copy of Part B, Baseband Specification [1.0a])*
 - *Section 7.2 (Direct copy of Part C, Link Manager Protocol [1.0a])*
 - *Section 7.3 (Direct copy of Part D, Logical Link Control and Adaptation Protocol [1.0a])*
- Clause 8: Service Access Points (General Material and one example of how SAPs will be documented)
- Annex A: Placeholder for Protocol Implementation Conformance Statement (PICS)
- Annex B: Placeholder for MAC Formal Definition
- Annex C: Placeholder for PHY Formal Definition
- *Annex D: Generic Access Profile (Direct copy [1.0a])*
- Annex E: Bibliography (incomplete)

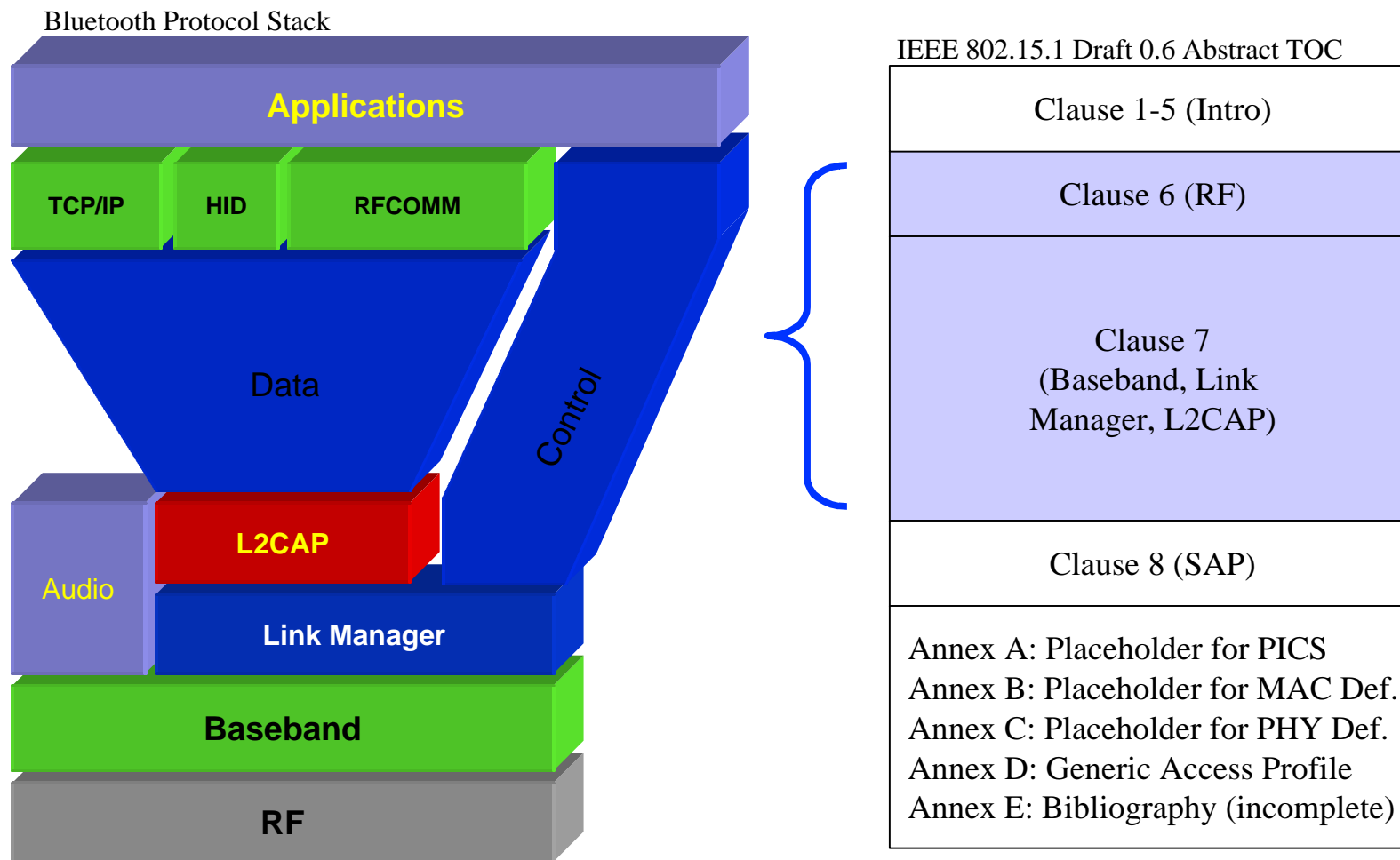
Source: doc.: IEEE P802-15/D0.6

Kaua'i - OSI RF to Bluetooth



Source: doc.: IEEE P802-15/D0.6

Kaua'i - Bluetooth to IEEE P802.15.1

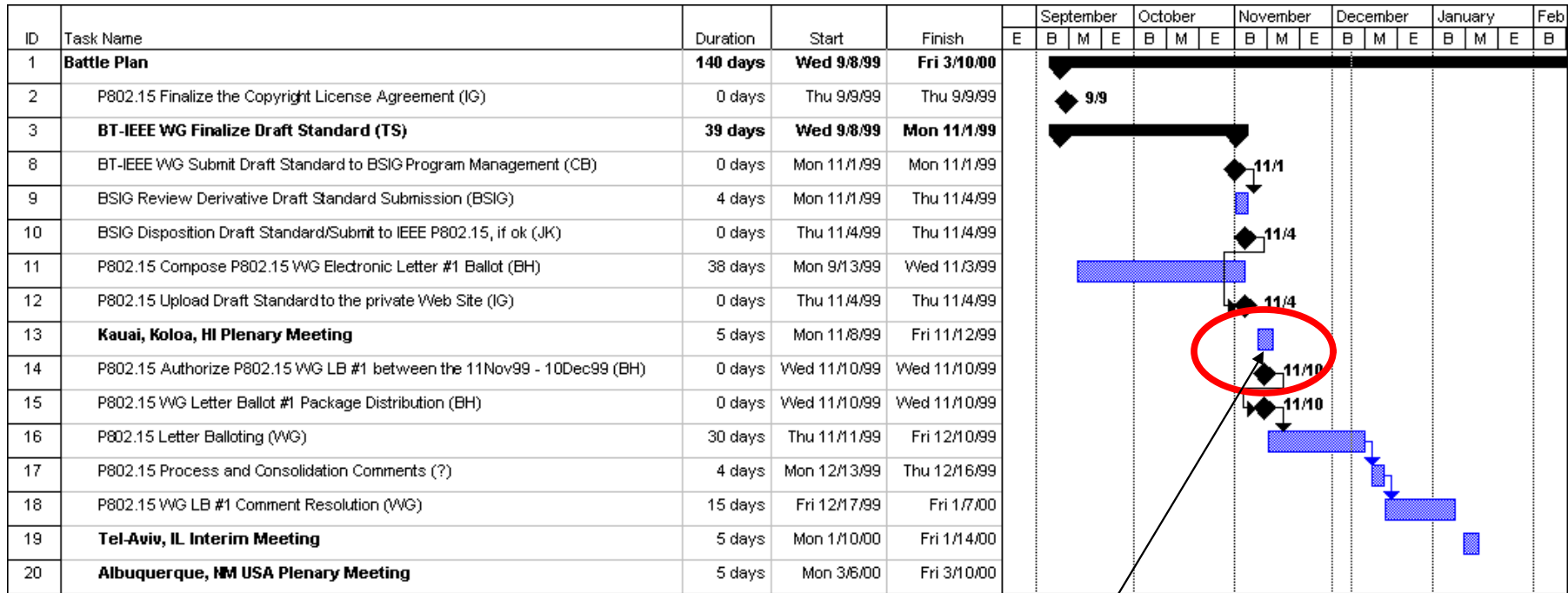


Source: doc.: IEEE P802-15/D0.7

Kaua'i - Overview of the TG1 Tasks

- √ Bluetooth SIG Letter of Intent (JK)
- √ **Meeting #1 July 5-9, 1999 Montreal, PQ, Canada**
- √ P802.15 Finalize the Copyright License Agreement (IG)
- √ **Meeting #2 September 13-17, 1999 Santa Rosa, CA USA Hilton 802.15 Interim Meeting.**
- √ BT-IEEE WG Finalize Draft Standard (TS)
- √ BT-IEEE WG Submit Draft Standard to BSIG Program Management (CB)
- √ BSIG Review Derivative Draft Standard Submission (BSIG)
- √ BSIG Disposition Draft Standard/Submit to IEEE P802.15, if ok (JK)
- √ P802.15 Compose P802.15 WG Electronic Letter #1 Ballot (BH)
- √ P802.15 Upload Draft Standard to the private Web Site (IG)
- √ **Meeting #3 November 8-12, 1999 Kauai, Hawaii Hyatt Regency, 802 Plenary Meeting.**
 - P802.15 Authorize P802.15 WG LB #1 between the 11Nov99 - 10Dec99 (BH)
 - P802.15 WG Letter Ballot #1 Package Distribution (BH)
 - P802.15 Letter Balloting 11Nov99 - 10Dec99 (WG)
 - P802.15 Process, Consolidate, and Distribute Draft Comments 13-16Dec99 (TS)
 - P802.15 Electronic WG LB #1 Comment Resolution (WG)
 - **Meeting #4 January 10-14, 2000 Tel-Aviv, IL InterContinental, 802.15 Interim Meeting.**
 - **Meeting #5 March 6-10, 2000 Albuquerque, NM Hyatt Regency, 802 Plenary Meeting.**

Kaua'i - Overview of the TG1 Timeline



The current plan is to have TG1 make a motion to the P802.15 Full WG during the November Plenary on Wednesday, 10Nov99 to authorize the LB #1 to start on Thursday, 11Nov99 with the Bluetooth Draft 0.6 Standard.

Kaua'i Objectives

- 1. PROVIDE A MOTION TO SUBMIT THE DRAFT TO WG LETTER BALLOT #1
- 2. PROVIDE A MOTION TO REVIEW THE COMMENTS FROM WG LB #1 ON OR BEFORE 10-14JAN00 INTERIM
- 3. PROVIDE AN UPDATE ON TG1
- 4. PROVIDE AN OVERVIEW OF THE IEEE DRAFT DERIVED FROM THE BLUETOOTH SPECIFICATION(S) <TUTORIAL #3
- 5. PROVIDE A MOTION TO WG TO INVOKE "OR" STATUS FOR BSI, IF APPROVED FWD TO SEC AS A MOTION
- 6. DRAFT TG1 OPERATING RULES AND PROVIDE A MOTION RESULT TO WG, WG APPROVAL
- 7. PROVIDE A MOTION TO REPLACE PARVIZ KERMANI WITH CHATSCHIK BISDIKIAN

Kaua'i - Submissions

- Key Submissions
 - Bluetooth Draft Submission v0.6
 - IEEE P802-15/D0.6 [...P802-15-1_D0-6...]
 - Provide a “how to” review the P802.15.1 Draft v0.6
 - -99/xxxr0
 - Hosting Plenary Conference Tutorial #3 on Tuesday 9Nov99 from 6:30 to 8:00pm
 - OVERVIEW OF THE P802.15 v0.6 DRAFT STANDARD - 99/xxxr0
 - BLUETOOTH ARCHITECTURE OVERVIEW -99/069r0
 - MAPPING THE BLUETOOTH SPEC. TO IEEE 802.15.1 - 99/xxxr0
 - P802.15.1 V0.6 DRAFT STANDARD OVERVIEW -99/xxxr0

 = Task Group 1 in session

Kaua'i - WG vs. TG1 Session

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	ExCom 802	HR TG1	MC SG	MC SG	802 Closing Plenary
PM	Full 802.15 TG1	SG	Joint.11/.15 Full 802.15	TG1 Full 802.15	
Eve- ning		BT-IEEE Tutorial 6:30p-8:00p	Social	Doc Editing ExCom	

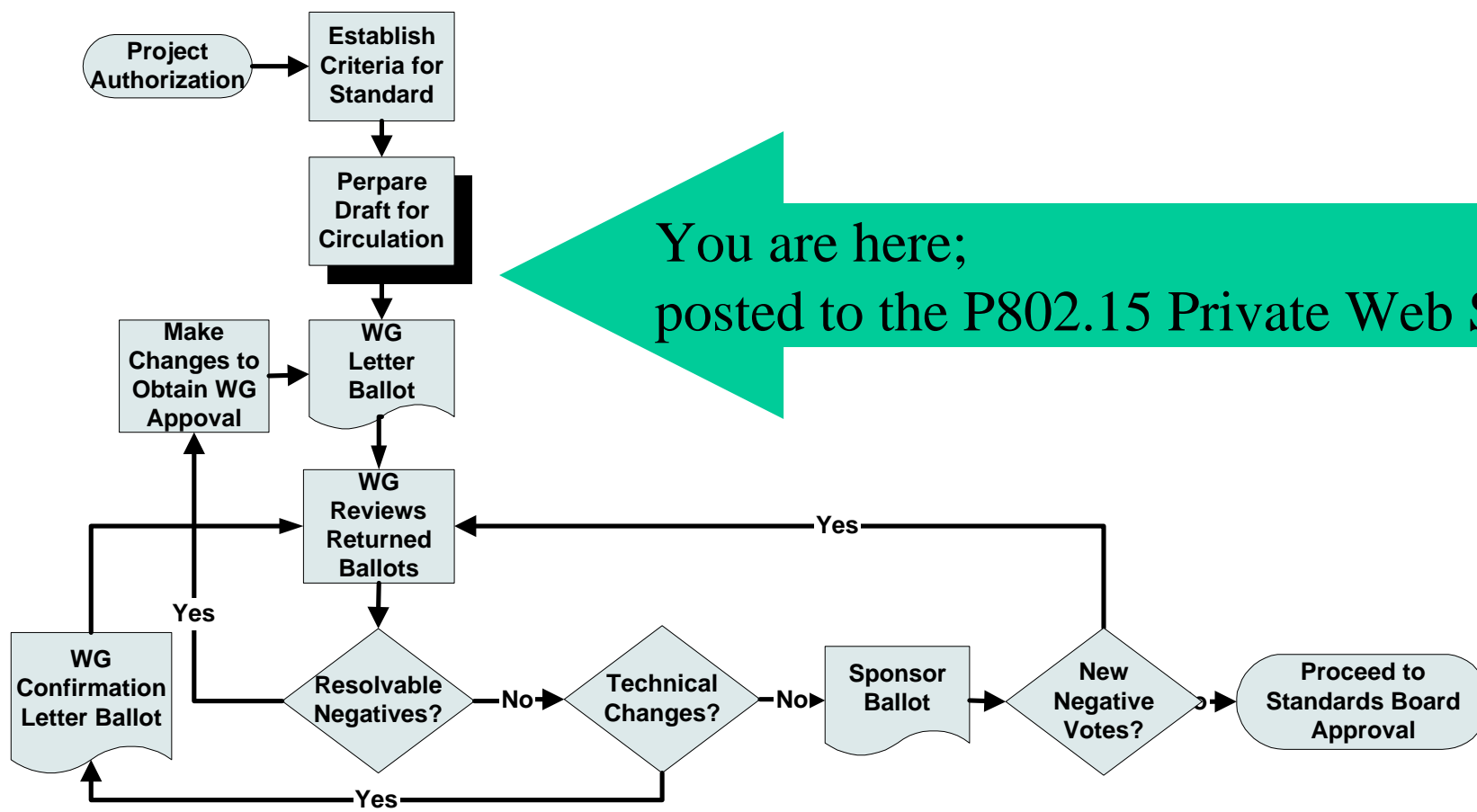
Legend: = flexible adjournment/Start

TG1 = Bluetooth Submission, SG = Coexistence, MC = Marketing

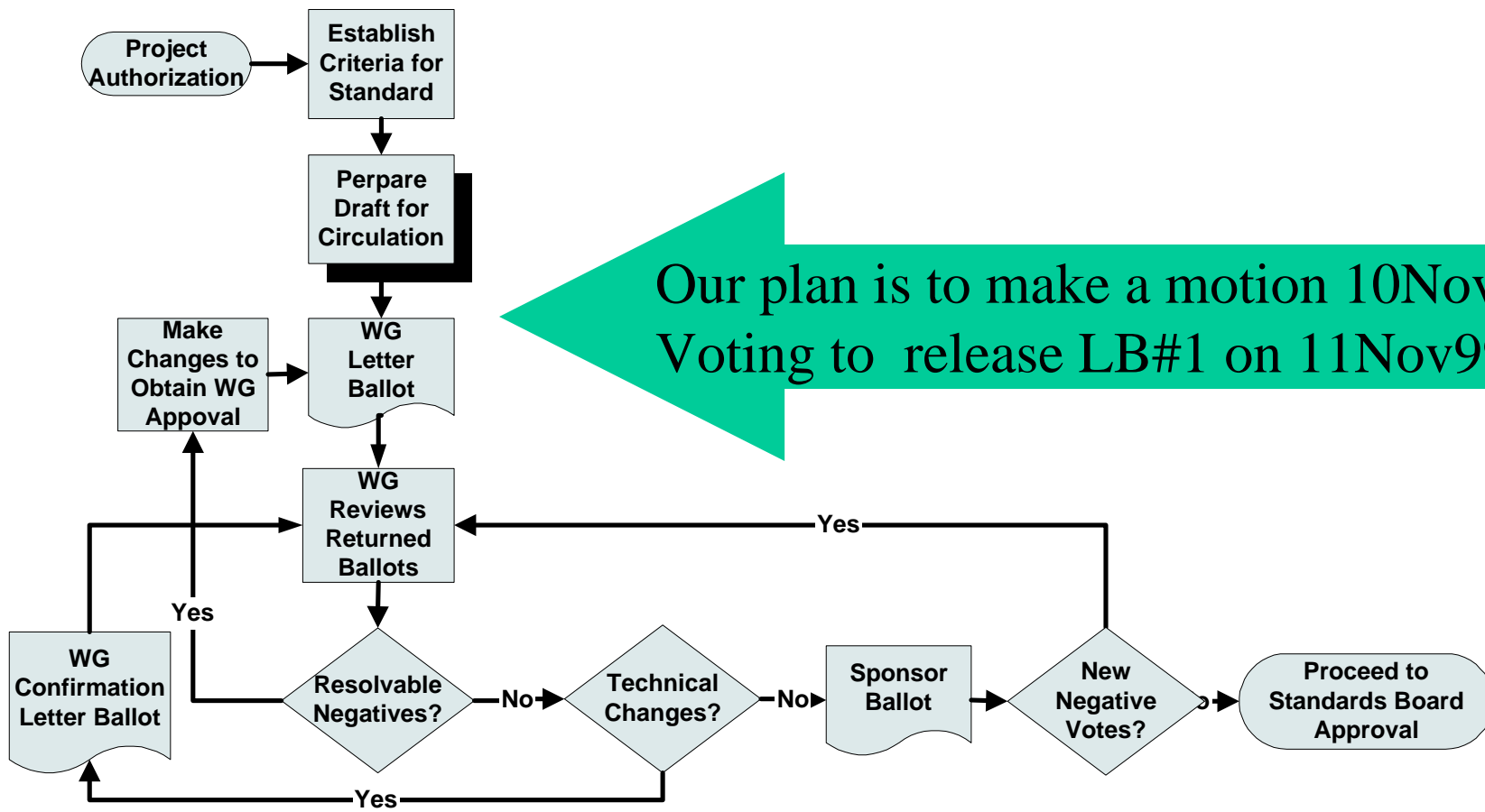
TG1 Motion Scheduling

- TG1 Motions
 - Motion #1 - Vice Chair
- WG Motions
 - Motion #2 - LB #1 Commencement
 - Motion #3 - Electronic or empower Tel-Aviv for Comment Resolution
 - Motion #4 - OR Status for Bluetooth

Step 1: Posted P802.15.1 Draft 4Nov99

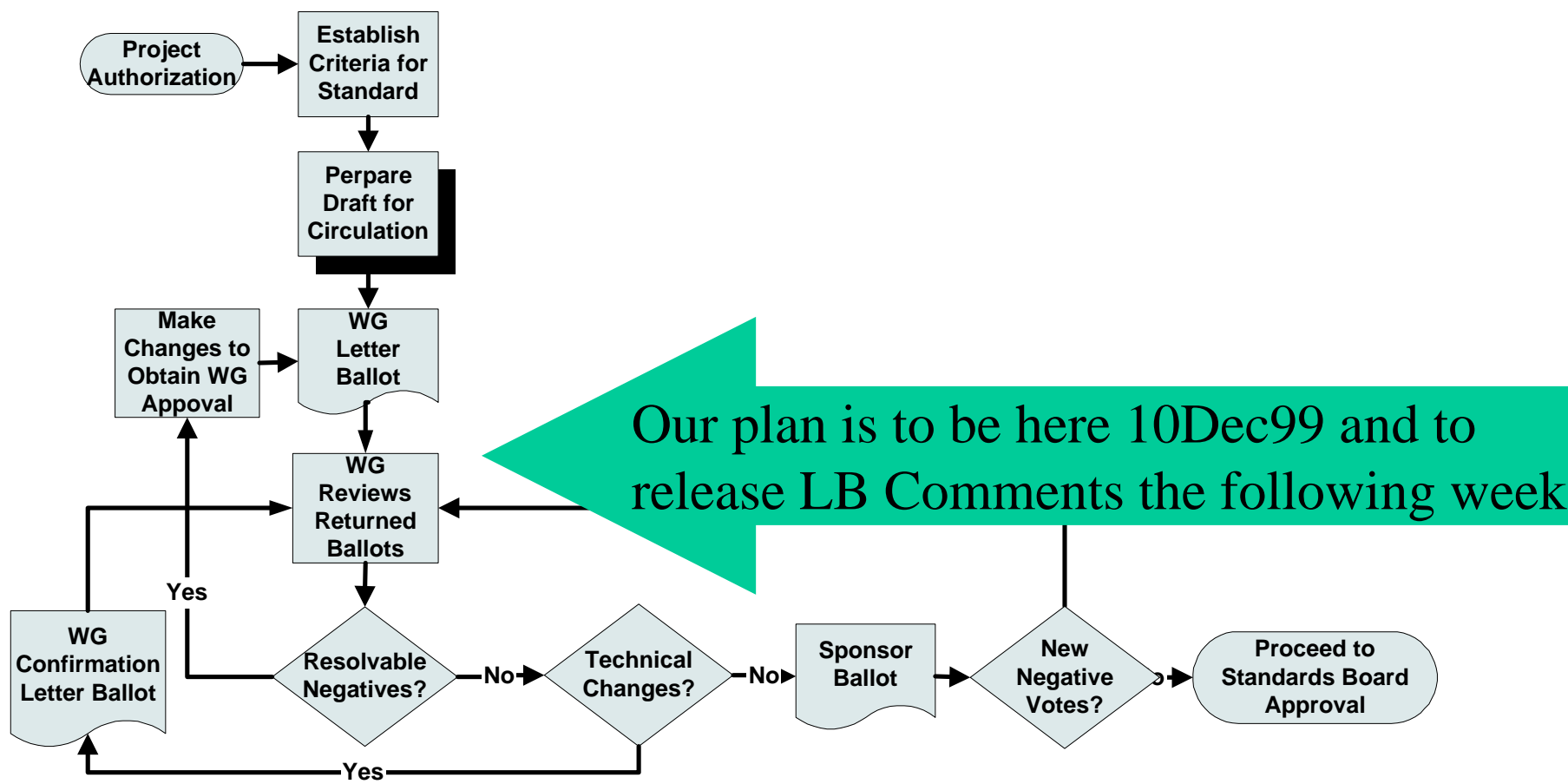


Step 2: Our plan is to start the Letter Ballot #1 Process on 11Nov99



Our plan is to make a motion 10Nov99
Voting to release LB#1 on 11Nov99

Step 3: Our plan is to stop the Letter Ballot #1 Process on 10Dec99



10Nov99 the P802.15 Working Group will be comprised of 42 voting members:

1	Mr. Houman Alborzi	voter	23	Mr. Patrick Kinney (Pat)	voter
2	Mr. Dimitri Alexandrou	voter	24	Mr. Bruce P. Kraemer (Bruce)	voter
3	Mr. Simon Baatz (Simon)	voter	25	Dr. Yunxin Li (Yunxin)	voter
4	Mr. Edul Batliwala (Edul)	voter	26	Mr. Daniel R. McGlynn	voter
5	Mr. Alan Bien (Alan)	voter	27	Mr. Michael D. McInnis (Mike)	voter
6	Dr. Chatschik Bisdikian	voter	28	Dr. Akira Miura (Akira)	voter
7	Mr. Dave Carlson (Dave)	voter	29	Dr. Thomas Müller (Thomas)	voter
8	Mr. Harshal Chhaya (Harshal)	voter	30	Mr. Peter Murry (Peter)	voter
9	Mr. Wm. Caldwell Crosswy	voter	31	Mr. Erwin R. Noble (Erwin)	voter
10	Mr. William Cruz (Bill)	voter	32	Mr. Mike Paczonay (Mike)	voter
11	Mr. Richard Ditch (Rich)	voter	33	Mr. Arto Palin (Arto)	voter
12	Mr. Richard Eckard (Dick)	voter	34	Dr. Davis Pan (Davis)	voter
13	Mr. Kurt Fischer (Kurt)	voter	35	Mr. Ivan Reede (Ivan)	voter
14	Mr. Matthias Frank (Matthias)	voter	36	Mr. Carlos A. Rios (Carlos)	voter
15	Mr. Ian Gifford (Ian)	voter	37	Mr. Brian E. Roan (Brian)	voter
16	Ms. Nada Golmie (Nada)	voter	38	Mr. Karlheinz Schwarz	voter
17	Mr. Allen Heberling (Allen)	voter	39	Dr. Stephen J. Shellhammer	voter
18	Mr. Robert Heile (Bob)	voter	40	Mr. Thomas Siep (Tom)	voter
19	Mr. John Paul Jones (John)	voter	41	Mr. Nick Stapleton (Nick)	voter
20	Dr. Srinivas Kandala	voter	42	Mr. Steve Torp (Steve)	voter
21	Dr. Parviz Kermani (Parviz)	voter	43	Dr. Fujio Watanabe (Fujio)	voter
22	Mr. Stuart Kerry (Stuart)	voter			

BT-IEEE Editorial Working Group

Drafting History

- Draft 0.0 - Tom Siep 100%
- Draft 0.1 - Tom Siep 100%
- Draft 0.2 - Tom Siep 100%
- Draft 0.3 - Tom Siep 100%
 - 283 Pages
- Draft 0.4 - Tom Siep 100%
- Draft 0.5 - BT-IEEE Editorial Working Group
 - 331 Pages
 - 1 Chief Editor/6 Technical Editors
 - 6 Bluetooth Promoter Company Reviewers w/ internal help
 - ~300 Comments
- Draft 0.6 - BT-IEEE Editorial Working Group
 - 308 Pages