Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: Editing rules for drafting the 1st Working Draft (WD)
Date Submitted: 16 July, 2009
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Re: 1st Working Draft (WD) of IEEE STd 802.15.4e as an Amendment

Abstract: Editing rules for drafting the 1st Working Draft (WD) of IEEE STd 802.15.4e as an Amendment

Purpose: Subgroup update for 802.15.4e

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Editing rules for drafting the 1st Working Draft (WD)

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Starting Point

- Baseline shall be

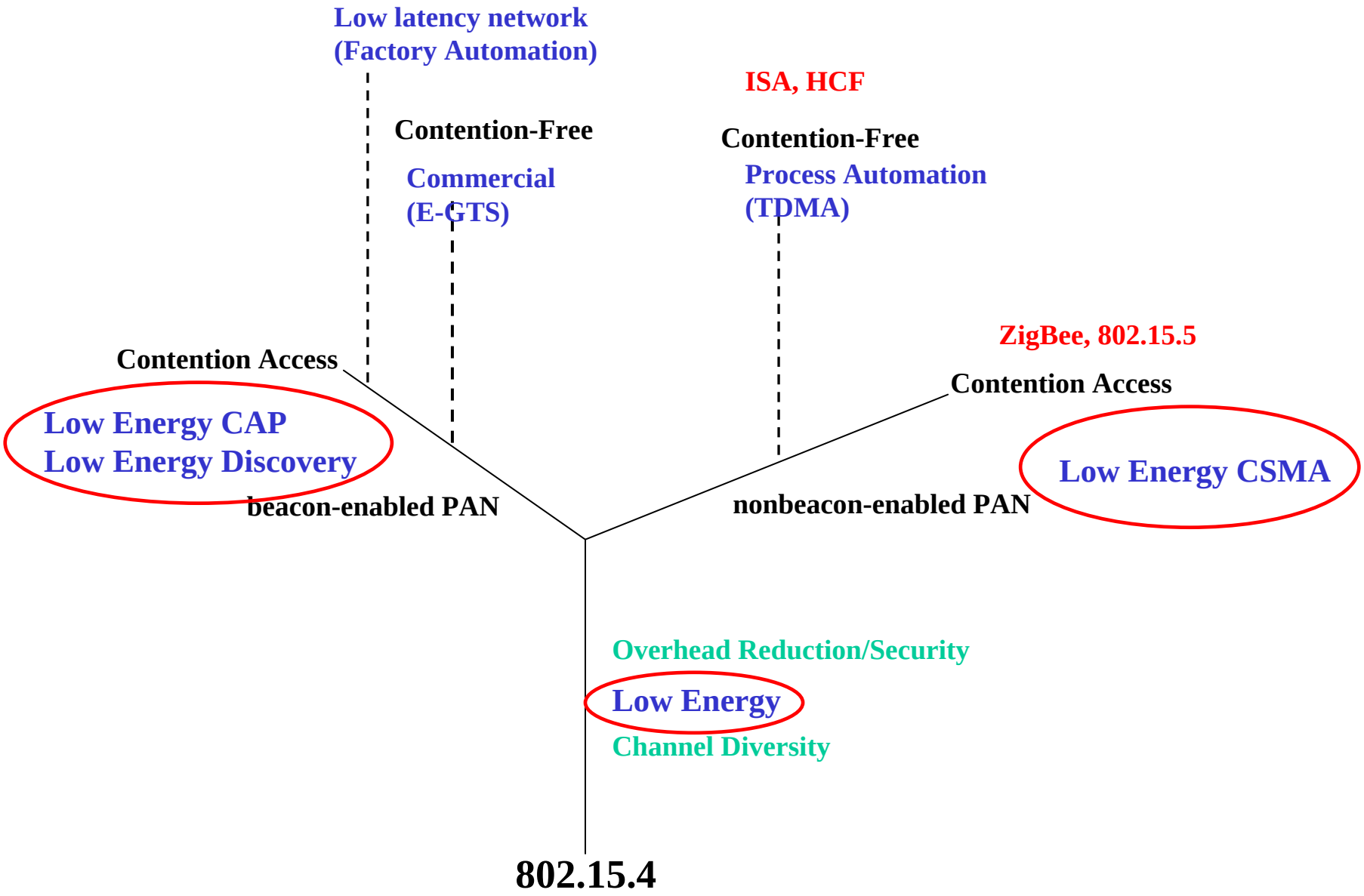
  IEEE Std 802.15.4™-2009

  (Incorporates IEEE Std 802.15.4a™,

  IEEE Std 802.15.4c™, and
  IEEE Std 802.15.4d™)
- Editor rules apply as specified in
  15-09-0213-00-004e-editor-procedure01.pdf
- The first draft will be named
  - IEEE Std 802.15.4e-D0.01

Starting Point

- Clause 5
  - Add at the end of 5.1 the intention of 4e Amendment (based on the PAR) and refer to an new informative Annex M.
- Annex M
  - M.1 General
    - Describing the different Application Domains with there quite different requirements as a rational to the different solutions in ,15.4e **in general**.
    - Providing terms that shall be used in Clause 5 and Annexes as selector for the different solutions.
  - M2. ... M.n
    - Describing the different Application Domains with there quite different requirements as a rational to the different solutions in ,15.4e **in detail**.
    - Provide tutorial material as prepared by channel diversity group


Low latency network
(Factory Automation)
ISA, HCF
Contention-Free
Contention-Free
Commercial
(E-GTS)
Process Automation
(TDMA)
ZigBee, 802.15.5
Contention Access
Contention Access
Low Energy CAP
Low Energy Discovery
Low Energy CSMA
beacon-enabled PAN
nonbeacon-enabled PAN
Overhead Reduction/Security
Low Energy
Channel Diversity
802.15.4

Annex M

- Annex M.1 General
  - Application Domain terms
    - Process Automation (PA)
    - Low latency networks (LL)
      - Previously called Factory Automation
    - Commercial (C)
      - Previously called E-GTS
    - ?SUN? (reserved for future requests)
    - ?RFID? (reserved for future requests)
  - Additional functional improvements
    - Low Energy
      - Is part of the application domain solutions
    - Overhead reduction/Security
      - No draft presented by 2009-07-16. Tbd how it will be named in a conformance statement

Clause 7 Subclauses

- Concatinate PA, LL, and C subclauses if they have the need to amend in the same heading of the baseline document
  - Assign new subclauses to:
    - PA
    - LL
    - C
    - and call the heading by amending those with the prefix PA-<Heading>, LL-<Heading>, C-<Heading>
  - Use a Header-Level plus one for the additional subclauses

Clause 7 Tables

- Additional Tables shall be incorporated as new Tables and the text that refers to the Tables shall state:
  - *Table xx applies and for PA the Table xx.a applies in addition*.
- Identifiers shall be assigned by the main editor to be unique.

Timeline for 1st WD in 2009

- August 15 deadline for submissions from the editors to the main editor.
  - No updates or new technologies to D0.01 accepted until Hawaii meeting.
- September 6 upload and launch TG letter ballot.
- September 21 Hawaii meeting to work on comments and plan preparing next revision.

Thank You

- Questions?