

# New Clause for Type 3 & 4

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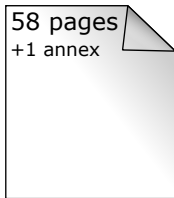
November 6, 2015

# Clause 33

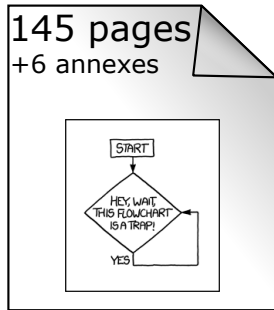
## IEEE 802.3-2012

# Clause 33

## P802.3bt D1.4



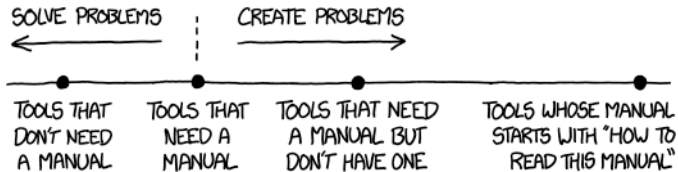
- + 4-pair
- + 2 Types
- + new state machine
- + 4 new Classes
- + Autoclass
- + new MPS
- + single/dual signature
- + power demotion



# Issues

The behavior of the new Types is different from Type 1 and Type 2 in nearly every way. The whole clause alternates with legacy and new Type descriptions almost on a per sentence basis.

How do we guarantee we don't break Type 1 & Type 2 ?



Comic XKCD

# New Clause

## Proposal:

1. Create new Clause 133 (next available number)
2. Apply resolutions of D1.4 comments to D1.4
3. Copy Clause 33 to Clause 133 and
  - ▶ Remove editing instructions
  - ▶ Remove any text that describes Type 1/2 operation
  - ▶ Do NOT remove text that describes Type 3/4 device interaction with T1/2
4. → Draft 1.5

This will result in two more clear and easy to read specifications (Clause 33 and Clause 133).

# Overview

## Clause 33:

- ▶ Specifications for Type 1 and Type 2
- ▶ = 802.3bx (maintenance) + MRs assigned to 802.3bt

## Clause 133:

- ▶ Specifications for Type 3 and Type 4
- ▶ ... including how Type 3/4 devices must behave when dealing with Type 1/2 devices

