# Enhanced Beacon

Metrics and Values IETF105 - Montreal

Diego Dujovne
Diego.dijovne@mail.udp.cl
Michael Richardson
mcr+ietf@sandelman.ca

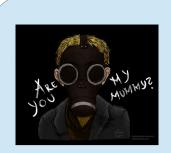
https://www.sandelman.ca/SSW/ietf/meeting/ietf105/ietf105\_6tisch\_enhanced\_beacon\_info.pdf

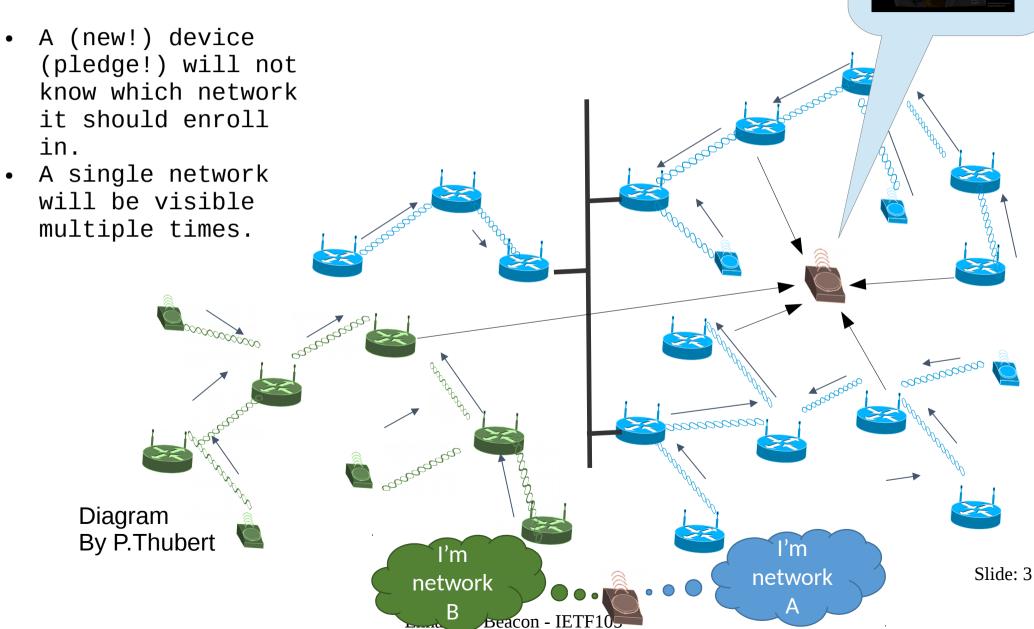
#### Overview

- What's the problem?
- What is proposed.
- Discussion and Questions.

Same slides for 6tisch and for ROLL, but different discussion!

# What's the problem? Network Selection





### What's the 6tisch part?

IEEE802.15.4 Informational Element encapsulation of 6tisch Join and
Enrollment Information
draft-6tisch-enrollment-enhanced-beacon-02

```
Creates a new 802.15.4 Informational Element, using the IETF allocation in rfc8137
                    |R|P| res | proxy prio | rank priority
     pan priority
                                Join Proxy lower-64
                             (present if P=1)
                                network ID
                       variable length, up to 16 bytes
```

- R a flag to indicate device will answer unicast Router Solicitations
- · Network ID is variable length nonce, probably derived from PIO.
- DODAG Priority: how desirable is this network (identified by NetworkID)
- Proxy prio: how desirable is this proxy within
- Rank Priority: already part of another IE
- Pan Priority: relative priority of this LLN with the same Network ID

## Questions/Discussion

Ready for WGLC!

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