

# draft-ietf-scim-device-model update

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IETF 119

# Recap: SCIM device model

- Hardware/IoT providers and others provision devices onto a deployment network via SCIM (deployment is server)
  - Roles reversed from normal SCIM
- Model is modular
  - BLE
  - Zigbee
  - Wifi-DPP
- New models we are looking to add
  - Fido Device Onboard
  - Wired DPP
  - Matter (eventually)
  - enOcean (eventually)
- Work is relevant to draft-brinckman-nipc
  - Non-IP Control of IoT devices
  - NIPC presented to ASDF and IOTOPS

# Changes since IETF 118

- FDO added
- Also Ethernet-MAB
- IANA Considerations Added
- Lots of editorials
- Folding improved
- Only small nits now (there's a Unicode character or two hiding in the draft)

# Observation

- With FDO implementation, we discovered that there can be two aspects of the work:
  - Configuring the network
  - Configuring the network to configure devices
- These can be combined.
  - Possible to use to configure non-IP devices for FDO
  - Allows **independent** expansion on network and device onboarding capabilities

# Big issues remaining

- Request from IETF 117 to handle non-IOT device provisioning
  - We **still** need a proposal
- Versioning
  - Not happy about what we proposed. Simpler approach:
    - Use a new name for a new version.
  - Security Considerations review
- Extensibility
  - We need small words for this if versioning is agreed.
- Any additional models

# Timeline and Location

- What would others like?
  - 8366 Vouchers?
  - Matter? (Need to know what to add)
  - Wired DPP?
  - ?
- Otherwise, if people like versioning proposal, **start WGLC in May?**
- Draft issues: <https://github.com/iot-onboarding/scim-devices>
- Open source: <https://github.com/iot-onboarding/tiedie>
  - PRs welcome