

## Session 7 – May 5, 2026

### Objective / Agenda

- Feedback on Barton data models for app/API access
- Q1 Banana Pi context – Barton now part of April 2026 build [here](#)
- Identify gaps and concerns, no decisions

### Data model approach

- Models act as access layer, not Barton logic
- Preference to reuse standards where possible
- TR-181 discussed as candidate if suitable constructs exist, need more data/research

### Commissioning

- Question whether TR-181 contains usable commissioning models
- No obvious candidates identified
- Alignment that standard TR-181 usage is preferred over custom models

### Events and signaling

- ResourceUpdated event may be too chatty
- Examples: temperature changes, battery changes
- Events intended for local consumption by default
- Cloud reporting policy seen as out of scope for Barton today, will need to build this out
- “What” makes the decision to pass an event on to the cloud

### Possible mitigation ideas

- Subscribe at defined cadence
- More granular events vs generic updates
- URI or pattern-based filtering
- Rules or model driven logic
- "Event on interval" supported by data model

### Implementation status

- These data models were validated with reference code on Banana Pi
- Details captured towards end of doc  
“barton\_rbus\_provider\_user\_manual\_updated.pdf”

### USP / WebPA

- Data model defines what USP can access
- USP as transport
- WebPA can read parameters

- WebPA does not support methods

#### Standards (BBF)

- ***Intent to push extensions to BBF***
- Governance and timing noted as challenges
- First draft cycle can take ~3 months

#### Open items

- Commissioning gaps
- Event verbosity and ownership of policy
- Method vs parameter access
- BBF submission timing

Next steps - Review docs/Incorporate feedback