GREEN WG

IETF 123

Madrid, 21st & 22nd July 2025

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The Agenda

Session 1 – Key WG objectives + related work

1. Intro by Chairs (10 min)

- Welcome and Note well
- Liaison and draft status
- Chair reminder on goals and plans

2. Considering for adoption

- Use Cases: draft-stephan-green-use-cases (10 min)
- Terminology: draft-bclp-green-terminology (10 min)
- Framework: draft-belmq-green-framework (10 min)

3. Related work

- draft-sofia-green-energy-aware-diffserv (10 min)
- Computing Energy Consumption Path in Segment Routing Networks (5 min)
- Flexible Algorithms for Energy Efficiency (5 min)

Session 2 - Models

1. **Intro by Chairs (5 min)**
   - Welcome and Note well
   - Remarks for this session
2. **New Draft proposals**
   - draft-jadoon-green-isac-utilization (10 min)
   - draft-petra-green-api (5 min)
   - draft-chen-green-transport-network-ucs (5 min)
3. **Reports/updates from Hackathon**
   - Report from the IETF 123 Hackathon (5 min)
   - Practical experiences with sustainability insight and POWEFF (5 min)
4. **Discussion on the GREEN Base Model (80 min)**
   - Plans and procedures for the model proposal (chairs)
   - Discussion on the open questions

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Liaison Status

- W3C
  - Engagement with W3C Sustainable Web Interest Group
- Liaisons set to ITU-T and ETSI:
- Liaison responses received from:
  - ITU-T SG5
  - ETSI TC EE
- No formal response needed, but signaled potentially related work.
- Anyone interested helping summarize the responses

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A Reminder on How to Structure Our Work

- Use cases *(not expected to go to RFC)*:
  - to focus common understanding
- Foundations: Terminology and Metrics
  - towards a common basic model semantics
- Modeling proposals
  - We need a simple extensible common model as foundation
  - Can be extended with more functionality/complexity to address more cases
- We want this work to progress somewhat in parallel
  - But with rough consensus checks as we progress

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And Some Plans for the Coming Period

- Build consensus on use cases, terminology, and framework
- Start working towards the common data model
  - We will discuss in the 2nd sessions: Light weight virtual interims
- **Let's continue making progress on the WG list**
- As usual, you can look for Diego/Rob this week in Madrid, or email green-chairs@ietf.org

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Summary of virtual Interims (since IETF 122)

19th May – Discussed Use cases, frameworks, terminology

- Poll suggested framework is important, but work could proceed in parallel to the models.
- Poll on terminology suggested draft-bclp-green-terminology-01 was a better starting point than draft-pignataro-green-enviro-sust-terminology-02

16th June – Framework & Data models, discussed:

- Discussed 4 questions from modelling questions Q1-3 & Q7

7th July – Discussed 3 modelling questions (Q3, Q8, Q9)

- More details later

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