



PAWS

Protocol to Access White Space DB

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Agenda

- Administrivia (5 min)
 - Blue sheets, minutes taker, jabber proxy?
- 2. WG doc status (5 min)
- 3. PAWS Use Cases and requirements doc presentation (Scott, 30 min)
<http://datatracker.ietf.org/doc/draft-ietf-paws-problem-stmt-usecases-rqmts>
- 4. Ofcom Requirements discussion (Scott, 20 min)
- 5. Charter Update discussion (all, 30 min)
- 6. Device to Database Protocol for White Space proposal (Subir, 30min)
<http://datatracker.ietf.org/doc/draft-das-paws-protocol/>
- 7. Framework Data Model (Lei, 20min)
<http://datatracker.ietf.org/doc/draft-lei-paws-framework-datamodel/>
- 8. AoB

Agenda bashing

chairs proposed changes

- 1. Administrivia (5 min)
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<http://datatracker.ietf.org/doc/draft-lei-paws-framework-datamodel/>
- AoB (10 min)

Document Status

- I-D: Problem statement, use cases and requirements

<http://www.ietf.org/id/draft-ietf-paws-problem-stmt-usecases-rqmts-03.txt>

- WGLC closed last week, comments received to be discussed later this session

Individual Submissions:

<http://www.ietf.org/id/draft-caufield-paws-protocol-for-tvws-01.txt>

[*http://www.ietf.org/id/draft-das-paws-protocol-01.txt](http://www.ietf.org/id/draft-das-paws-protocol-01.txt)

[*http://www.ietf.org/id/draft-lei-paws-framework-datamodel-00.txt](http://www.ietf.org/id/draft-lei-paws-framework-datamodel-00.txt)

<http://www.ietf.org/id/draft-sbi-paws-protocol-00.txt>

Charter Discussion

- Newly surfaced requirements by some regulators require the master devices to report back to the DB the channels selected for operation
- The current charter does not capture this aspect
- Chairs and ADs propose to make a minimal charter update to capture the reporting, which can be handled in parallel with ongoing work, so that it would not introduce delay to the ongoing work

Tentative charter update

Problem statement

<snif>

1. Determine the relevant white space database to query.
2. Connect to the database using a well-defined ~~access~~ **communication** method
3. Provide its geolocation and perhaps other data to the database using a well-defined format for querying the database.
4. Receive in return a list of ~~currently available~~ white space **currently available , with their characteristics** using a well-defined format for returning information.
5. **Report back to the white space database use information, including the chosen channels for operation and other relevant information**

Once the device learns of the available white space (e.g., in a TV white space implementation, the list of available channels at that location), it can then select one of the bands from the list and begin to transmit and receive on the selected band. If the device's parameters have changed (e.g., if some amount of time has passed or if the device has changed location beyond a specified threshold), it might need to query the database again to determine what white space is still available.

Objectives

The overall goals of this working group are to:

1. Standardize a mechanism for discovering a white space database.
2. Standardize a method for ~~accessing a~~ **communicating with a** white space database.
3. Standardize ~~query and response~~ **the data** formats to be carried over the database ~~access method~~ **communication protocol**.

poll

- How many people read draft-das-paws-protocol-01?
- How many people read draft-lei-paws-framework-datamodel-00?
- Can WG consider these drafts as a starting point for WSD to Database interface protocol specification?
 - Can they be merged into one?

Update to other SDOs

FYI:

- The chair provides regular updates to other SDOs about the status of the work in PAWS
- 802.22
- 802.19
- 802.11af