

PAWS

Protocol to Access White Space DB

IETF 81

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Document Status

- I-D: Problem statement

<http://www.ietf.org/id/draft-patil-paws-problem-stmt-01.txt>

- I-D: Use cases and requirements

<http://www.ietf.org/id/draft-probasco-paws-overview-usecases-01.txt>

Additional use cases I-D submitted after the deadline:

<http://www.ietf.org/id/draft-lei-paws-overview-usecases-00.txt>

Mailing List: <https://www.ietf.org/mailman/listinfo/paws>

Agenda

- Administrivia (5 min)
 - Blue sheets, minutes taker, jabber proxy, jabber scribe?
- Approved charter review (chairs, 10 min)
- FCC TV Band WS status update (Subir, 15 min)
- The IEEE 802.22 WRAN Standard and its Interface to White Space Database (Gerald, 20 min)
- Problem statement draft (Raj, 10 min)
- Use cases and requirements (Scott, 30 min)
- Requirements from 802.11 and WFA (Paul, 20 min)
- Next steps (all, 5 min)

Approved charter review

- 1. Standardize a mechanism for discovering a white space database.
 - Evaluate existing discovery mechanisms to determine if one of them provides the necessary application features and security properties
- 2. Standardize a method for accessing a white space database.
 - Evaluate existing application-layer transport protocols to determine if one of them provides the necessary application features and security properties
 - Develop a method for querying a white space database. Such a method will utilize the features of the application-layer transport protocol and not re-implement them in a new protocol
- 3. Standardize query and response formats to be carried over the database access method.
 - Define extensible formats for both location-specific queries and location-specific responses for interaction with radio whitespace databases. The group will consider whether existing data formats can be reused
- 4. Ensure that the discovery mechanism, database access method, and query/response formats have appropriate security levels in place.
 - The protocol must protect both the channel enablement process and the privacy of users. Robust privacy and security mechanisms are needed to prevent: device identity spoofing, modification of device requests, modification of channel enablement information, impersonation of registered database services, and unauthorized disclosure of a device's location

Deliverables & Milestones

- Deliverables:
 - 1. A description of the relevant use cases and requirements. This document shall be Informational
 - 2. A specification of the mechanism for discovering a white space database, the method for accessing a white space database, and the query/response formats for interacting with a white space database. This document shall be Standards Track
- Milestones:
 - Oct 2011 Submit 'Use Cases and Requirements for Accessing a Radio White Space Database' to the IESG for publication as Informational
 - Apr 2012 Submit 'Accessing a Radio White Space Database' to the IESG for publication as Proposed Standard

- Problem statement draft:
<http://www.ietf.org/id/draft-patil-paws-problem-stmt-01.txt>
- Who read it?
- Use case and requirements draft
<http://www.ietf.org/id/draft-probasco-paws-overview-usecases-01.txt>
- Who read it?

Next steps

- Problem statement, use cases, requirements.
One I-D or split into multiple.
- Adopt them as WG document?
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