Regulatory entities in many countries are making spectrum previously used by television stations available for secondary use as a result of the switch from analog to digital. The spectrum in such cases is still owned by the primary user to whom it is licensed. However parts of the spectrum may be unused at a given location or time and hence can be made available for secondary use. In order to use such spectrum a device has to query a database in order to obtain a list of available channels or spectrum at a given location and time. This document specifies a protocol that can be used to query a white space database by a device.
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1. Introduction

Regulatory entities in many countries are making spectrum previously used by television stations available for secondary use as a result of the switch from analog to digital. The spectrum in such cases is still owned by the primary user to whom it is licensed. However parts of the spectrum may be unused at a given location or time and hence can be made available for secondary use. In order to use such spectrum a device has to query a database in order to obtain a list of available channels or spectrum at a given location and time. This document specifies a protocol that can be used to query a white space database by a device.

The problem statement, use cases and requirements for the use of white space spectrum and the associated protocol is captured in the document: [I-D.ietf-paws-problem-stmt-usecases-rqmts].

2. Terminology and Abbreviations

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

This document relies on the terminology specified in [I-D.ietf-paws-problem-stmt-usecases-rqmts].

3. Background

Provide some background material on the PAWS protocol.

4. Problem Statement

Capture the problem statement for the protocol without repeating what is stated in the PS I-D.

5. The Protocol

Specify the details of the protocol itself here.

6. Query Parameters

Specify in XML the parameters that need to be carried in the request/response protocol.
7. IANA Considerations

This document will require actions on the part of IANA to assign values for the new messages and attributes.

8. Security Considerations

Protocol security and threats need to be specified here.

9. Acknowledgements

List people who have helped improve this contribution.

10. References

10.1. Normative References


10.2. Informative References


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