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Japan

RECOMMENDATIONS DATABASE AND SEARCH FACILITY

1. Introduction

At the nineteenth meeting of the RAG, the RAG invited the Director to develop a database, within existing budgetary limitations, that will allow searching for a recommendation in a given frequency band, preferably in combination with information about the radio service and the application covered by the recommendation.

The database, now available on the ITU website, allows the ITU-R Recommendations to be filtered by Recommendation series, number and text appearing within the title. In addition, the Recommendations can be filtered by Radiocommunication service(s) and frequency range.

RAG is invited to consider the demonstration version of the Recommendations database and provide its comments and guidance. In particular, advice from RAG is invited regarding the desirability of further developing the service, system, topic and frequency range filters, while recognizing that this would require the support of the Study Groups to conduct the associated classification of the Recommendations and to provide updates for the database with information relating to new Recommendations.

Japan granted voluntary contribution to the Bureau last March. Bureau is committed to enhance the systems to fulfil requirements from users.

2. Proposals

Japan strongly supports Bureau's effort to upgrade function, to provide a variety of searching tools in the database system and to comply with user's requirement.

New database systems are expected to facilitate circulating technical information and freely process these data at users' convenience.

In constructing database, the following items should be taken into consideration.

2.1 Data structure, format and language

For the purpose of enhancement of circulating ITU publication and processing data, it is desirable data format and description language be standardized as least within ITU. It is suggested to deploy standard generalized mark-up language which are designed for international use and for open standards among information and communication technology businesses.

2.2 Schema

Document schema definition languages standard should be integrated into single one which bears a comprehensive set of schema languages.

2.3 Function

Scrolling data with a “topic” filter would be beneficial. We support establishing scrolling tags such as sharing criteria, protection ratios, frequency arrangements, performance, system characteristics, antenna characteristics, propagation, spectrum management, etc., in addition to frequency range. Screening by combination of key words is also indispensable since some Recommendations do not relate to any particular system, application, service or frequency range or any combination of these categories. In addition, it is convenient if there are links to referenced resolutions, explanations of difficult terms, etc. in texts. It is also suggested to furnish download counters to count number of downloads for each publication.

2.4 Accessibility

In accordance with Resolution 175 (Guadalajara, 2010), new systems are expected to contribute to facilitate persons with disabilities to search ITU Recommendations and other ITU publications with improved accessibility. Proposed function may include variable character size, reading out texts, customizable display, transformable icons and etc.. Also, we expect the operation of new systems such as the span to shift to the next page runs lightly.
