QUESTION ITU-R 241/1

Methodologies for assessing or predicting spectrum availability

(2019)

The ITU Radiocommunication Assembly,

considering

*a)* that the radio frequency spectrum is a limited but infinitely renewable resource that is available only in finite amounts of frequency bandwidth during any given time interval and within any given volume of space;

*b)* that some administrations are challenged in assessing or predicting the availability of the radio frequency spectrum;

*c)* that there are lack of methodologies for assessment or prediction of spectrum availability,

noting

that spectrum management data is becoming larger and more complex in the viewpoint of data science, which may require advanced data analysis methods including machine learning,

decides that the following Questions should be studied

1 What criteria and information should administrations consider for assessing or predicting the availability of the radio frequency spectrum?

2 What are the methodologies for assessing or predicting the availability of the radio frequency spectrum?

3 What are the technical approaches, such as data-driven management, etc., that may improve overall spectrum utilization?

further decides

1that the results of the above studies should be included in Recommendation(s) and/or Report(s) or Handbook(s), as appropriate;

2that the above studies should be completed by 2023.

Category: S3