QUESTION ITU-R 131-1/6[[1]](#footnote-1)\*, [[2]](#footnote-2)

**Common core data format for multimedia broadcasting**

(2009-2019)

The ITU Radiocommunication Assembly,

*considering*

*a)*that all digital broadcasting delivery systems, as well as other digital two‑way systems, will need a software interface such as Application Programming Interfaces (APIs) and that there could be substantial benefits to commonality and interoperability;

*b)* that work on interactive services including those offered by the integrated broadcast-broadband (IBB) systems has been conducted in ITU-R as well as ITU-T;

*c)* that various multimedia programmes are delivered via terrestrial, satellite, cable broadcasting and broadband networks;

*d)* that multimedia applications comprising video, audio, still-pictures, text, XML‑based data, graphics, etc. have been developed in the fields of Information and Communication Technologies;

*e)* that it would be desirable to harmonize the application formats for content and environments between broadcasting and web-based services on an international basis,

*noting*

*a)* that digital broadcasting for multimedia services has become widely available;

*b)* that multiple data services are in use in many countries,

*decides* that the following questions should be studied

1What data structure(s) is(are) most suited to conveying multimedia information to digital broadcast and/or IBB receivers?

2 What APIs should be specified for multimedia applications in broadcasting and/or IBB platforms?

3 How can compatibility be achieved between applications of various IBB systems?

4 What provisions should be made that will allow extending the common core of APIs to also encompass new multimedia delivery platforms that may emerge in the future?

5Which common core of APIs should be used by broadcasters and content providers for production and exchange of multimedia content?

*further decides*

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

2 that the above studies should be completed by 2027.

Category: S2

1. \* Replaces Question ITU-R 13/6. [↑](#footnote-ref-1)
2. In the year 2023, Radiocommunication Study Group 6 extended the completion date of studies for this Question. [↑](#footnote-ref-2)