QUESTION ITU-R 91-1/4

Technical and operating characteristics of the
radiodetermination-satellite service

(1988-1990)

The ITU Radiocommunication Assembly,

considering

*a)* that there is a need for reduction of the cost of terminal equipment;

*b)* that few frequency bands are available for radiodetermination-satellite services;

*c)* that there are various radiodetermination systems;

*d)* that potential advantages, including those of frequency economy, might result from integrated systems for communication and radiodetermination,

decides that the following Questions should be studied

1 What are the preferred system concepts and technical and operating characteristics of systems in the radiodetermination-satellite service?

2 What are the preferred frequency bands for radiodetermination-satellite services?

3 What is the technical feasibility of frequency sharing between the radiodetermination-satellite service and other services, and sharing criteria (considering the bands 1 610-1 626.5 MHz, 2 483.5-2 500 MHz and 2 500-2 516.5 MHz with the aeronautical radionavigation, fixed, mobile, radiolocation and radioastronomy services)?

4 What are the potential interference conditions between the radiodetermination-satellite service and the services in adjacent frequency bands?

5 What are the technical and operational feasibility and potential advantages of an integrated system for communication and radiodetermination?

6 What are the preferred types of orbit for the radiodetermination-satellite service?

further decides

1 that the results of the above studies should be included in appropriate Recommendations and/or Reports;

2 that the above studies should be completed by 2027.

Category: S2