

RECOMMENDATION ITU-R SA.516-1*

**FEASIBILITY OF SHARING BETWEEN ACTIVE SENSORS USED ON EARTH EXPLORATION
AND METEOROLOGICAL SATELLITES AND THE RADIOLOCATION SERVICE**

(Question ITU-R 140/7)

(1978-1994)

The ITU Radiocommunication Assembly,

considering

- a) that, in certain frequency bands, spaceborne active microwave sensors can provide unique information on physical properties of the Earth;
- b) that spaceborne active microwave sensors currently used are radars radiating, in general, very short bursts of microwave energy;
- c) that existing and planned spaceborne active microwave sensors have operating characteristics similar to those of terrestrial and airborne radars;
- d) that terrestrial and airborne radars share common frequency bands;
- e) that studies have shown sharing between some spaceborne active microwave sensors and terrestrial radars to be feasible,

recommends

1. that sharing be considered to be feasible, in general, between the radiolocation service and the Earth exploration and meteorological-satellite services (active sensing).

* This Recommendation should be brought to the attention of Radiocommunication Study Group 8.