

CEPT/ERC RECOMMENDATION 13-03 E (The Hague 1996)

**THE USE OF THE BAND 14.0-14.5 GHz FOR VERY SMALL APERTURE TERMINALS (VSAT)
AND SATELLITE NEWS GATHERING (SNG)**

Recommendation adopted by the Working Group "Frequency Management" (WG FM):

“The European Conference of Postal and Telecommunications Administrations (CEPT),

considering

- a) that the ITU Radio Regulations allocate the frequency band 14.25 - 14.5 GHz to the Fixed-Satellite Service and to the Fixed and Mobile Services (either in the table or in the footnotes),
- b) that the European Common Allocation Table of Frequency Allocations and Utilisations (ECA) foresees as a major utilisation “Telecommunication satellites for fixed and mobile applications with priority for civil networks”, and in addition indicates that “VSAT may be foreseen”,
- c) that the operation of VSAT and SNG terminals has developed in recent years with a very rapid growth, making it possible to implement international and national data transmission networks and to broadcast news events,
- d) that the possibility of adequate growth capacity of VSAT and SNG types of applications within the frequency band 14.0 - 14.25 GHz, in which there is no allocation¹ to the Fixed Service in the ITU Radio Regulations and the ECA, is limited by the amount of bandwidth available,
- e) that the natural expansion of VSAT and SNG applications in the adjacent frequency band 14.25 - 14.5 GHz has been constrained in the past by procedural difficulties, due to the coordination process with Fixed Service links,
- f) that VSAT and SNG operators are requesting several European administrations to allow them to operate over larger bandwidths requiring the utilisation of frequencies from within the whole band 14.0 - 14.5 GHz,
- g) that there still is a need for spectrum for Fixed Service links in the band 14.25 - 14.5 GHz in some countries where alternative Fixed Service bands are experiencing congestion,

¹ Except by footnote to national administrations

noting

- a) that in ERC Report No. 39 two coordination procedures are defined which enable VSAT and SNG applications to coordinate and share with fixed links in the band 14.25 - 14.5 GHz,
- b) that in a few CEPT countries the Fixed Service has been planned or implemented in the band 14.25 - 14.5 GHz and there is the consequent need to protect the existing Fixed Service links,
- c) that a consultation of the CEPT Administrations carried out by ERO, via a questionnaire, and included in its report on VSAT and SNG of August 1995 indicated that the majority of countries that responded have no fixed links in the band 14.25 - 14.5 GHz and appear to have no intention of introducing any,
- d) that rapid frequency clearance is required for VSAT and SNG applications,

recommends

in order to contribute to the harmonisation of the use of the 14.0 - 14.5 GHz frequency band in CEPT countries and with a view to meeting the increasing requirements of VSAT and SNG applications of the FSS in the whole band,

1. that the use of the band 14.25 - 14.5 GHz for the Fixed Service should be discouraged in those countries that have not already implemented radio links in the band although sharing between the Fixed Service on the one hand and VSAT and SNG applications on the other can be achieved if required,
2. that subject to recommends 3, flexible and unrestricted use of VSAT and SNG applications in the band 14.25 - 14.5 GHz should be allowed at least in those countries where no fixed links have been implemented so far,
3. that national and cross border protection of fixed links operating in some countries in the above mentioned band shall be ensured through the use of a coordination procedure^{2, 3} based on those referred to in ERC Report No. 39.”

² Parameters and criteria used in the procedure should be chosen to provide protection to the Fixed Service while not imposing unnecessary constraints on VSAT and SNG applications

³ In cases where sharing with fixed links can not be achieved in the 14.25 - 14.5 GHz band the alternative band 14.0 - 14.25 GHz can be considered