

RECOMMENDATION PCC.III/REC. 1 (I-94)

**REGIONAL SATELLITE SYSTEMS OPERATING IN THE 1530-1544/1626.5-1645.5
MHz BANDS AND PARTICIPATING IN THE GLOBAL MARITIME DISTRESS AND
SAFETY SYSTEM¹**

The First Meeting of Permanent Consultative Committee III: Radiocommunications

CONSIDERING:

- a. That mobile-satellite systems will be operating the 1530-1544 MHz and 1626.5-1645.5 MHz bands, now being used for the GMDSS by the Inmarsat system;
- b. That five of the seven countries that are part of the additional allocation to the mobile-satellite service in these bands (RR 726C) are in Region 2;
- c. That the introduction of mobile-satellite systems within these frequency bands, the integrity, effectiveness and protection of maritime distress and safety communications must be continuously maintained;
- d. That recommended criteria for mobile-satellite systems participating in the GMDSS will be on the agenda of the 40th Session of the Radiocommunications Sub-Committee of the International Maritime Organization (IMO) to be held from 16 to 20 January 1995 in London, UK;
- e. That Member Countries of CITEL have a major interest in preserving the effectiveness of distress and safety communications in the GMDSS;

RECOMMENDS THAT THE CITEL MEMBER COUNTRIES:

1. Bring this issue to the attention of both their maritime and satellite authorities noting that IMO COM-39NVP.7 is under consideration by the IMO.
2. Submit to IMO, papers that support IMO's issuance of guidance in 1995 for regional satellite systems to participate in the GMDSS. A sample IMO input paper is given in the Annex attached.
3. Participate in the 40th session of the Radiocommunication Sub-committee of the IMO to be held from 16 to 20 January 1995, in London, UK.

INSTRUCTS:

The Executive Secretary of CITEL to distribute this RECOMMENDATION to all Member Countries of CITEL.

ANNEX

**SUB-COMMITTEE ON RADIOCOMMUNICATIONS
40th Session
16-20 January 1995**

¹Published as Doc. PCC.III-52/94 and adopted by the 6th Session.

Reasons for developing guidance for administrations to use when authorizing regional Mobile Satellite Systems (MSS) to participating in GMDSS

1.0 Introduction

1.1 The Sub-Committee at its 39th Session reviewed the issue of regional satellite systems being authorized to participate in the GMDSS. Members were invited to consider the draft guidelines in COM 39/WP.7 and submit comments to enable the Sub-Committee to develop detailed criteria at its Fortieth Session.

1.2 The purpose for developing guidelines for Mobile Satellite System participation was so that the distress and safety needs of all maritime users including those vessels not subject to SOLAS, would be provided. Regional satellite systems are expected to provide communications to vessels sailing domestically or within a particular region, e.g., Gulf of Mexico, Caribbean Sea, etc. Many thousands of vessels, which are not required to fit GMDSS equipment, sail in these areas. They naturally will seek a minimal communication solution for their general communication needs. It is our purpose that the proposed guidelines will shape these regional MSS to include the same distress and safety features of the GMDSS.

1.3 The primary reason to have GMDSS participation criteria is to protect the integrity of the mariner. Not all communications systems available to vessels provide for distress and safety communications. Regional MSS, meeting a recommended GMDSS participation criteria, will ensure that distress and safety communications are given their proper priority and handling. This is particularly important for non-convention vessels and for those convention vessels using regional MSS equipment. This will allow the IMO to influence the development of the MSS so that the maintenance and integrity of the GMDSS are ensured.

2.0 Recommendation.

2.1 We encourage the Sub-Committee to approve in 1995 a Draft Assembly Resolution establishing criteria so that regional MSS can participate in the GMDSS. We fully adopt the criteria and fundamental principles specified in COM 39/WP.7 and recommend these annexes be used as a basis for a Draft Assembly Resolution. Upon the Assembly's issuance of approval, the Administrations will use IMO standardized criteria when authorizing regional MSS which elect to participate in the GMDSS.

RECOMMENDATION PCC.III/REC. 2 (I-94)

DESIGNATION OF SPECTRUM FOR AND PROSPECTS FOR PERSONAL COMMUNICATIONS SYSTEMS IN THE AMERICAS²

The First Meeting of the Permanent Consultative Committee III: Radiocommunications,

CONSIDERING:

- a) That Personal Communications Systems (PCS) represents an opportunity for a major improvement in mobile or portable communication services for individuals or businesses which would be integrated into a variety of competing networks,
- b) That PCS should be available to users both nationally and throughout the entire Americas, and should be based on the principles established by the 1994 ITU World Telecommunications Development Conference which include Universality of Service and Diversity of Services.
- c) That both these objectives will be enhanced if a requisite degree of interoperability exists;
- d) That many countries in Latin America are developing their national telecommunications networks;
- e) That one element of such interoperability is compatibility of spectrum use;
- f) That another element of interoperability is the use of compatible standards;
- g) That some CITELE members have already established national frequency plans for PCS;
- h) That many CITELE Member Administrations have extensive use of fixed service systems in the bands considered to be used by PCS systems;
- i) That there is possible synergy between PCS and the Mobile Satellite Service;
- j) That the introduction of PCS should be made in individual countries in accordance with the needs of that country;
- k) That the ITU is currently developing standards for Future Public Land Mobile Telecommunications Systems - FPLMTS - and is considering strategies for the migration toward FPLMTS taking account into of networks currently deployed or being developed for near term deployment.

RECOMMENDS:

1. That CITELE members examine the subject of a regional spectrum use for PCS taking into account of plans under development in Member Administrations, with a view to harmonizing individual plans, where possible, increasing the possibilities for interoperability of PCS systems.
2. That CITELE members examine approaches that may be used by administrations to make frequencies available for PCS bearing in mind the steps that may need to be taken to relocate existing radio services whose functions need to be continued.
3. That the Working Group of PCC.III entrusted to examine inter-alia the subject of spectrum use for PCS in the Region shall solicit and compile available data describing for each Administration:
 - domestic spectrum allocations identified for use by PCS
 - relevant technical and economic factors considered in this identification
 - time frame that PCS is expected to be introduced
 - strategies that will be adopted to foster and facilitate migration of existing fixed service systems to new frequency bands.

²Published as Doc. PCC.III-54/94 and approved in the Sixth Session.

This information should be available for discussion in the March 1995 meeting of PCC.III.

4. That information relative to standards under consideration and experiences with new technologies in Member Administrations for potential application to PCS should be collected and disseminated to CITELE members.

5. That the Working Group should identify those factors of interest to CITELE members that may be relevant to facilitating international roaming in the provision of Personal Communications Services across the Americas, such as:

- a. Standards
- b. Frequency Band Plans
- c. Roaming agreements
- d. Cross-border licensing and/or hand-over arrangements
- e. Provisions for use of mobile satellite services
- f. Other mechanisms that may be appropriate

6. In order to promote recognition of the Region 2 interests by the ITU, CITELE members should monitor and participate, as possible, in the activities of ITU-R Task Group 8/1 toward the standardization of FPLMTS (IM72000) and the development of migration strategies for the implementation of FPLMTS.

7. The results of the examination by this Working Group of PCC.III be completed in a timely manner so that CITELE members can take the results into account in developing their national policies.

INSTRUCTS:

The Executive Secretary of CITELE to distribute this DRAFT RECOMMENDATION to all Member Countries and Associate Members of CITELE.

RECOMMENDATION PCC.III/REC. 3 (I-94)

INTRODUCTION OF DIGITAL TECHNOLOGY IN CELLULAR SYSTEMS AND ITS IMPACT ON ROAMING SERVICE DELIVERY IN THE AMERICAS

The First Meeting of the Permanent Consultative Committee III: Radiocommunications

RECOGNIZING:

That the prospects of development for cellular systems in the Americas are significantly ensured by a favorable regulatory framework, service delivery agreements and technological certification of the systems.

TAKING INTO ACCOUNT:

The importance of relying on a single technical standard to simplify technical system certification with views of furthering roaming service delivery on a continental scale;

CONSIDERING:

That in order to ensure favorable operational prospects of a continental roaming cellular system, there is a need to confirm that digital technology trends will not compromise the existing harmonization in the Americas, as digital technology could encourage the other standard applications;

RECOMMENDS:

That Telecommunications Administrations of CITELE Member States, operating companies, and manufacturers take action to continue facilitating adequate technological certification opportunities and interconnection criteria to promote a solid foundation for suitable systems integration.