

PCC.III/REC.21 (V-96)

**Joint PCC I and III
Recommendation on Digital Cellular Land Mobile
Telecommunication Systems below 1 GHz**

CONSIDERING:

- a) That digital signals in various formats are being used to improve the communications efficiency of the land mobile service;
- b) That digital transmission systems which are not compatible with existing land mobile systems are also being considered, including the transmission of digitally encoded speech signals;
- c) That mobile telephone services below 1 GHz, i.e. services for public correspondence via radio stations connected to the switched public telephone network, are in operation in a number of countries in the region and that their use is extending;
- d) That the various technical systems already in use or proposed for such services are not necessarily compatible;
- e) The need to improve spectrum utilization efficiency and hence capacity per MHz per unit area;
- f) The need for a flexible system structure able to match network investment to revenue growth readily adapting to environmental factors and responding to new developments rather than restricting innovation; and
- g) The increasing importance of the various type of data and telematic services;

AND CONSIDERING

- h) That a document called Recommendation ITU-R M.1073 “Digital Cellular Land Mobile Telecommunications Systems” which recommended certain standards was distributed at the PCC I Standards Coordination Working Group (WGSC) meeting in Asuncion, Paraguay as Document PCC I: WGSC-05-E;
- i) That among the standards recommended in ITU-R.M.1073 were the technologies standardized for digital cellular applications below 1 GHz in North America including the TDMA-and CDMA-based standards;

j) That an Executive Summary and a draft Recommendation regarding digital cellular standards were distributed at the WGSC meeting held in Sao Paulo, Brazil from June 3-7, 1996 as Document WGSC-C-008;

k) That during the PCC III Plenary meeting held in Asuncion from March 18-22, 1996 a recommendation on “ Harmonizing Activities of PCC.I and PCC.III for Coordinating the Standardization of Wireless Services/Systems”, which included a Table listing items for the division of work activities/responsibilities between PCC.I and PCC.III, including defining joint responsibilities was adopted ;

l) That a footnote to the Table to this recommendation states that from a standardization perspective some activities may not be stand alone items for standards coordination; and

m) That in an effort to ensure that both the PCC.I Plenary and Working Group on Standards Coordination and the PCC.III Plenary and Working Group on Personal Communications Systems are fully cognizant, this proposed recommendation is submitted as a Joint Recommendation consistent with the harmonization agreement noted in “k” above; and.

n) That PCC.I, at its September 5-8, 1995 meeting in Washington D.C., unanimously approved a similar recommendation applicable to 2 GHz PCS, allowing a service provider to choose a wireless technology for application within its service area and identified the North American PCS standards.

RECOMMENDS:

That in the interest of Regional harmonization, service providers consider the selection of the North American TDMA- and CDMA-based standards for digital cellular systems below 1 GHz in the Region.