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Task Group 8/1

PRELIMINARY DRAFT RECOMMENDATION FPLMTS.SRVC (REV 3)

**SERVICES SUPPORTED ON FUTURE PUBLIC LAND MOBILE
TELECOMMUNICATION SYSTEMS (FPLMTS)**

(Question 39/8)

The CCIR

CONSIDERING

- That CCIR has been studying Future Public Land Mobile Telecommunication Systems (FPLMTS) and has issued Recommendation 687, and Reports 1153 and 1155 which relate to these systems;
- That the CCIR studies are continuing and are being conducted by TG8/1 under decision 69-2;
- That FPLMTS encompasses a number of different systems;
- That the definition of services will be conditioned by the need to achieve compatibility, where practicable, with those services offered on the fixed networks;
- That the transmission quality of information, the reliability of connection, and the degree of blocking should be comparable to those for the same services provided by the fixed networks, recognising the limitations imposed by the radio environment;
- That it is intended that FPLMTS will support UPT (the implications of which are for further study);
- That the mobile user of the services may be a person/persons or a machine. That these users could have different service requirements by virtue of either the desires of the user or the economics of providing for that service to the users' mode of mobility;
- That service availability will be dependant on a number of factors which could include: mobile terminal type, speed of motion, and geographic factors; for example hand portable sized /vehicle mounted terminals, indoor/outdoor, residential or business areas, urban/sub urban/rural areas, etc.;

- That it is to be expected that the number and content of the service offerings will change with time, and will not be the same in every location. It is necessary to define however a minimum set of services which will be available at every location at which FPLMTS services are offered;
- the increasing importance of the various types of non-voice telecommunication services;
- the relevant CCITT Recommendations and on-going studies;
- that mobile terminals of the FPLMTS may be used to access mobile satellite systems for use on land, ships and aircraft;
- that there is a need for mobile terminals to roam between public land mobile telecommunication networks in different countries and between networks in the same country;
- that a standardized radio interface would facilitate the roaming of mobile terminals between networks;
- that users may want to be able to use the same 'terminals' and procedures as in the fixed networks to access similar telecommunications services in FPLMTS;
- that a common set of services and a common set of service definitions would facilitate use of the FPLMTS by users roaming between networks;

And considering also that in general:-

- The background against which telecommunications services are provided has become complex due to:-
 - i the involvement of a number of commercial interests (such as; service suppliers, re-sellers, network operators, value added service suppliers,..);
 - ii the possibility of involving, or the cascading of, networks which may be of different types;
 - iii the increasing technical developments and opportunities;
 - iv the changing regulatory framework for those involved in supplying services (eg competition for users and customers, and de-regulation in various forms by administrations);
 - v the needs of many users for services which are not bounded by constraints of geography or operator.

INVITES:-

The CCITT (SGI) to identify, and to carry out, a definition of the services to be supported by FPLMTS; taking account of the above considerations, the comments on services contained within the cited CCIR recommendations and reports, and in alignment with the following Service Objectives:-

- To provide a wide range of telecommunications services to mobile or stationary users by means of one or more radio links;
- To ensure that these services shall, as far as possible, be identical to those offered to users of fixed telecommunications terminals (connected to the fixed telecommunications network) and with a comparable quality of service;
- To make these services available for mobile terminals located anywhere subject only to constraints of economic provision, and to limitations of implementation timing;
- To provide for flexibility of service provision, for example, between mobile terminal categories and on a geographical or user density basis;
- To promote the flexible introduction of telecommunication services;
- To provide for a minimum set of services which will be available to all users of the Personal Station (see Section 4.1 of Recommendation 687) in all locations at which FPLMTS services are offered for that terminal. That this minimum set of services should be:-
 - i) Voice communication with other users of fixed or mobile terminals (telephony) connected to private or public networks,and
 - ii) Support of relevant Universal Personal Telecommunications (UPT) services.

It should be noted that this minimum set of services for the Personal Station does not prevent extra services being offered in particular service areas (e.g. data/messaging);

- To provide for additional services which will depend on mobile terminal type, location, and availability from the network operator.

RECOMMENDS:-

That these objectives and the detailed description of services as shown in Section 2 of Recommendation 687 and Section 3 of CCIR Report 1153 (reproduced below) be taken as information and guidance in producing the Recommendation on FPLMTS Services.
