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(Question 39/8)

Task Group 8/1

United States of America

Modifications to Document 8/1-50E on

“PRELIMINARY DRAFT RECOMMENDATION FPLMTS.SRVC (REV 3)

**SERVICES SUPPORTED ON
FUTURE PUBLIC LAND MOBILE TELECOMMUNICATION SYSTEMS”
(Question 39/8)**

In observing the rapid rate of change in personal computing - particularly the rapid growth in *portable* personal computing, it is vital to consider the impact that this application will have on the usage and value of FPLMTS in the future. It is further observed that a fundamental communications service required by this class of user is for high-speed local area data networking. This closely parallels the adoption of industry standard *wired* local area networking technologies in the computer industry at large.¹

In considering the services described in Document 8-1/50E², it is proposed that these needs be specifically included in the “Invites”, as noted below.

As found in Document 8-1/48-E³, Page 50 (Attachment 2)

Immediately before “RECOMMENDS:”, add the following:

“ - To provide for the high-speed, local area networking needs of portable computing users.”

¹ The Institute of Electrical and Electronics Engineers (IEEE) Project 802 is solely devoted to the development of technical standards for local area networking. The standards promulgated by IEEE Project 802 have seen widespread acceptance, and serve as an industry-wide foundation for the provision of local area data networking.

² Output document from the first meeting of Task Group 8/1, Alexandria, 23-31 May 1991

³ Report of the First Meeting of Task Group 8/1, Alexandria, 23-31 May 1991. Note that Document 8-1/48E is included in this Report as Attachment 2.

Document
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Modifications to Report 1153 on "FUTURE PUBLIC LAND MOBILE TELECOMMUNICATION SYSTEMS" (Question 39/8)

The usage and value of FPLMTS when it is implemented will be affected by how well it provides for, among other things, data communications requirements of the users of personal, highly mobile portable computers. These requirements include not only telecommunications but also local area networking.

The services described in Report 1153, include "high speed" services (up to 1920 kbit/s). However, there is no provision for networking *per se* nor for the still-higher data rates which are acknowledged to be commonly employed in such networks.

To specifically and explicitly include and provide for this function, the following addition to the Table of Services to Report 1153 is proposed:

In Report 1153, Section 3.5.2, "Service categories and classes, Table I FPLMT Services," after Service Category 2.3 - "Retrieval (access to stored information)", add the following:

| SERVICE CATEGORIES AND CLASSES | TYPE OF INFORMATION | SERVICE DESCRIPTION | FPLMTS APPLICATION EXAMPLE | TELESERVICE | BEARER CAPABILITY |
|--------------------------------|---------------------|------------------------------------|---|---------------------|-------------------|
| 2.4 Local Area Data Networking | Text | Exchange of text information | Document sharing | Shared Data Service | 1-20 Mbit/s |
| | Binary data | Exchange of computer data | Database, software exchange | Shared Data Service | 1-20 Mbit/s |
| | Image | Exchange of stored images | Image storage and retrieval | Shared Data Service | 1-20 Mbit/s |
| | Audio | Exchange of stored audio | Audio messaging, annotation, and shared audio libraries | Shared Data Service | 1-20 Mbit/s |
| | Video | Exchange of stored moving pictures | Video messaging, shared video libraries | Shared Data Service | 1-20 Mbit/s |