CHAPTER 13

RECOMMENDATIONS

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This section describes recommendations concerning the Study.

Recommendation 1

It is recommended that host exchanges should be connected in ring, and toll exchanges should belong to plural upper level exchanges in Ulaanbaatar city from the viewpoint of network reliability.

Recommendation 2

It is recommended to introduce a new numbering plan over the whole Mongolia, in consideration of the large-scale introduction of ISDN and new services. On that occasion, it is recommended to review interactive connection numbering with other networks, toll numbers, special numbers (special numbers for subscribers, special numbers for technical operators, various kinds of special numbers, international direct dial service special numbers).

Recommendation 3

It is recommended that the signaling system should be unified to Number 7 signaling system as soon as possible.

Recommendation 4

It is recommended that ISDN is to be introduced when the demand is increased..

Recommendation 5

It is recommended to duplicate ISCs in order to improve reliability of the international switching equipment which will become more and more important in the future.

Recommendation 6

It is recommended to adopt SDH for transmission system, considering the easy shifting to ISDN and recent tendency in technical innovation.

Recommendation 7

The present master clock has low precision characteristics. It is recommended to install a high precision clock for SDH system.

Recommendation 8

It is recommended that a sector which deals with effective use of radio frequency, interference, etc. should be organized in MOID/MCAC, since the radio system will be very effective in the vast territory of Mongolia.

Recommendation 9

It is recommended to introduce OSP Facility Management System in order to plan, construct and maintain OSP efficiently, since the OSP facilities will surely be expanded and modernized in the future.

Recommendation 10

It is recommended to build an Outside Plant Maintenance Center (OPMC) in order that the maintenance of OSP be centralized permitting effective operation, that the working environment of OSP staff be improved, and that the staff be trained efficiently.

Recommendation 11

It is recommended that the cable rehabilitation works should be the same as those of new cable installation considering maintainability and reliability, taking into account the poor condition of existing ducts that cannot be reused.

Recommendation 12

It is recommended to renovate the Governmental Network by adopting data communication technology, to achieve high reliability, as well as high confidentiality. The network carries important messages including those of the President, governmental high ranking officials and VIPs from foreign countries. The present network is too old and obsolete to be operated satisfactorily.

Recommendation 13

It is recommended that an appropriate set of relending conditions be worked out between the government and MCAC, including such items as tax exemption, provision of a grace period, and the level of interest rate.

Recommendation 14

It is recommended to establish a Research and Development Center in MCAC. The technical function of the Research and Development Center includes introduction of advanced technologies to Mongolia. The managerial function of the Research and Development Center

includes development and adoption of world's advanced managerial, financial and accounting methods.

Recommendation 15

It is recommended to request international organizations such as ITU, ADB, etc. and advanced countries to dispatch specialists or to receive trainees in order that Mongolian personnel can acquire advanced technologies as well as skills of managerial, financial and accounting methods.

CHAPTER 14

CONCLUSION

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CONCLUSION

This Report of the Study on telecommunications network in Ulaanbaatar city is formed to fulfill the telephone demand in the city by the year 2010 using new technologies such as digitalization, fiber optical cables, SDH, and so forth.

The Study revealed that the Basic Plan up to the year 2010 is feasible from technical, financial, and economic perspectives. In social aspect the implementation of the Basic Plan will upgrade the people's living standard in Ulaanbaatar city, and in particular expand economic opportunities for low income layer represented by the ger area population. It is, therefore, recommended that the telecommunications network in Ulaanbaatar city be developed in accordance with the Basic Plan until the year 2010.

Lastly, this Study covering the period from 1998 to 2010 has been prepared mainly based on the past data, present conditions and future trends in socio-economy and telecommunications of Mongolia as of 1994 - 1995. It is hoped that this Report would be useful and beneficial for Ulaanbaatar city in future. However, it is recommended that this Basic Plan is, periodically and, when remarkable changes on preconditions on preparation of the Report were found in the future, to be reviewed and revised based on the latest condition.