

## 4. Questionnaire

### QUESTIONNAIRE

This questionnaire shows the list of minimum information which shall be required essentially for the preparatory study on "The Study on National Telecommunications Network Expansion Plan in the Syrian Arab Republic".

STE is kindly requested to prepare answers in appropriate written form together with supporting data and documents to the following questionnaire by the time of our forthcoming meeting.

#### 1. General

- (1) National development plan
- (2) Priority of telecommunications sector in the national development plan
- (3) Outline of National Telecommunications Network Expansion Plan
- (4) Related reports and documents issued by the World Bank, UNDP, AfDB, ITU and other international organizations with associated comments by the Syrian government, if any

#### 2. Telecommunication development projects in progress and/or under consideration with description of name of project, location, implementing agency, justification, implementing schedule, cost and resources, external assistance, priorities, etc. (Please refer to Table-1)

- (1) Telephone switch
- (2) Junction network
- (3) Transmission network
- (4) Subscriber cable network
- (5) Other services

#### 3. Present situation of external technical and/or finance assistance in terms of name of agency, outline of work and contract condition, if any

#### 4. Telecommunication control and organization

- (1) Laws and regulations on telecommunications
- (2) Organization chart with description of responsibilities and duties of each department of the Ministry of Communications as well as STE.
- (3) Organization of Regional and/or District Center Offices and their function

- (4) Number of personnel on Telecommunications and its distribution on an internal structure basis (department/division etc.) as well as on classification basis according to professions or duties (Please refer to Table-2)
- (5) Outline of human resources development plan and existing training centers

5. Financial status

- (1) Annual financial reports for at least last five years
- (2) Detailed tariff system on each services basis
- (3) Operation and maintenance cost
- (4) Personnel expenses on classification basis
- (5) Present financial problems, if any

6. Conditions of telecommunications services

- (1) Directories of Telephone, Telex and other telecommunications services
- (2) Number of followings for at least last five years. (Please refer to Table-3)
  - (a) Telephone subscriber lines
  - (b) Telephone sets and public telephones
  - (c) Telex subscriber lines and telex terminals
  - (d) Telegraph office
  - (e) Users of data communications
- (3) Leased services with terms, conditions, number of customers
- (4) Service grade
  - (a) Backlog (waiting list) for subscription
  - (b) Out-going and incoming traffic data at each exchange
  - (c) Call completion rate in major area
  - (d) Failure rate for subscriber networks
  - (e) Average repair time

7. Present status of telecommunications facilities and network plan

- (1) Local switching facilities (Please refer to Table-4)
  - (a) Service area and capacity of each switch
  - (b) Numbers of subscribers of each switch
  - (c) Year of make and operation implementation, name of manufacture
  - (d) Map of local switching centers distribution

- (2) Toll switching facilities (Please refer to Table-4)
  - (a) Capacity and model
  - (b) Route map of trunk circuit
- (3) Junction network
  - (a) Configuration of junction cables
  - (b) Capacity of each cable and route maps
- (4) Subscriber network
  - (a) Transmission media (pair cable, radio)
  - (b) Capacity of each cable
  - (c) Fault rate (in rainy and dry seasons respectively)
  - (d) Problems on maintenance of subscriber lines
  - (e) Route maps
  - (f) Regulations concerning usage of roads and construction of buildings, poles, etc.
- (5) Telex network and facilities
- (6) International network and facilities
  - (a) Satellite systems
  - (b) Submarine cable systems
  - (c) Microwave systems
- (7) Terrestrial transmission systems (Please refer to Table-5)
  - (a) Type (cable/radio (frequencies), modulation method, digital/analog)
  - (b) Redundancy and capacity
  - (c) Providing services by each systems (international/domestic, voice, data, TV, leased)
  - (d) Year of make and operation implementation
  - (e) Name of manufacturer
  - (f) History of faults
  - (g) Route maps
- (8) Rural networks and facilities (Please refer to Table-5)
  - (a) Type of facilities
  - (b) Manufacturer's name
  - (c) Year of operation implementation
  - (d) Network structure
- (9) Network plan
  - (a) Switching hierarchies in telephone network
  - (b) Numbering plan
  - (c) Signaling plan
  - (d) Transmission plan
  - (e) Routing plan

- (f) Subscriber network design standard
- (10) Radio frequency management
  - (a) Policy for frequency management
  - (b) Frequency assignment plan and actualities

8. Operation and maintenance

- (1) Inventory control and sufficiency of spare parts and consumables
- (2) Present organization and staffing on operation and maintenance
- (3) Present problems on operation and maintenance of telecommunication facilities

9. Information on Damascus city and its surrounding area

- (1) City plan and its relevant projects in progress or under consideration
- (2) Maps, topographical drawings including future land usage plans
- (3) Present population
- (4) Number of establishments (companies, factories, hospitals, hotels, etc.)
- (5) Recent status of economic and their achievements
- (6) Stability of commercial power supply

Table-1 Telecommunication Development Project

Items	Telephone switch	Junction NW	Transmission NW	Subscriber cable NW	Other services
Name of Project					
Location					
Implementing agency					
Justification					
Implementing schedule					
Cost and resources					
External assistance					
Priorities					
Remarks					

Table-2 Number of Personnel on Telecommunications

	Technical staff				Non-technical staff			
	A	B	C	D	A	B	C	D
Headquarter								
Local center								
Other office								
Total								

A. Graduated elementary school but not for higher education

B. Graduated high school but not for higher education

C. College or under graduate level with diploma (Bachelor)

D. Master and higher level diploma

Table-3 Conditions of Telecommunications Services

Items	Year	1989	1990	1991	1992	1993
a. Telephone subscriber lines						
Telephone sets						
b. Public telephones						
Telex subscriber lines						
c. Telex terminals						
d. Telegraph offices						
e. Data communication users						

Table-4 Switching Systems

Center	Service area	Type	Model	Manufacturer	Year of operation	Number of subscribers	Present capacity	Maximum capacity
Damascus	Damascus	LS digital						



Table-5 Transmission Network

Route	Method analog/digital	Year of operation	Manufacturer	Year of make	Frequency	Capacity	Number of channels	Control station
Damascus~Homs	Microwave analog							
Aleppo~ Latakia	O.F digital							

## 5. 面会者リスト

### シリア国側関係者

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Eng. Abdallah Mouhager	Regional Director of Aleppo Province
Mr. Byath Abdalah	Station Manager,
Mr. Salman Asaad	Station Manager, Latakia Microwave Station

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## 6. 主要収集資料リスト

1. ダマスカス市内ジャンクションケーブルネットワーク図
2. S T E組織図
3. 質問書への回答
4. EXECUTIVE SUMMARY OF FEASIBILITY STUDY FOR TELECOMMUNICATION NETWORK EXPANSION PROJECT IN SYRIAN ARAB REPUBLIC
5. STUDY RESULTS AND DATA FOR YEN CREDIT PROJECT
6. Telecommunication Sectional Study
7. Rural Project by 1997
8. STATISTICAL ABSTRACT
9. PROJECT OF 1000000 LOCAL AND LOCAL/STD LINES AND THE DIGITAL INTER-CITY TRANSMISSION NETWORK
10. ROAD MAP FOR TOURISTS
11. ROAD MAP (全国版 アラビア語)
12. Rural Network in Aleppo Area
13. Annual Report(1990)
14. Annual Report(1991)
15. Annual Report(1992)
16. Annual Report(1993)
17. Automatic Exchange Capacities(existing and planned)
18. Signaling Plan
19. Tarrif Sytem
20. Law 1974
21. Law 1994
22. International Outgoing Call
23. International Incoming Call
24. Table of Activities and Figures of the S.T.E and Its' Development
25. Memorandum of the Department of Wirless Frequencies
26. Transmission Network
27. UNITED NATIONS DEVELOPMENT PROGRAMME
28. Organization Structure of the Public Administration in the Syrian Arab Republic
29. Cost Estimation of FAX, Copy Machine, CPU
30. Time Table for 251 K.line Project
31. TELECOMMUNICATION DEVELOPMENT PROJECT
32. NUMBER OF PERSONNEL ON TELECOMMUNICATION
33. CONDITION OF TELECOMMUNICATIONS SERVICES
34. Junction Cable Network
35. Telephone Directory











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