

6.3 Other Services

If services, other than basic telephones, are to be provided, the traffic contribution of these must be considered.

Telex generally adds one circuit to provisioning levels since up to 24 telex circuits are often multiplexed into a single voice channel.

If data links or special services, such as sound programs, private lines, and other non-switched circuits are required, then additional channels must be provisioned according to these needs when the circuit groups are dimensioned.

6.4 Forecasts

Because the provisioning problem involves growth, future traffic has to be forecast. If the traffic per subscriber is expected to remain the same, this can be done by simply multiplying the traffic estimates (per subscriber type) times the number of subscribers forecast. But if the traffic per subscriber is expected to change significantly with time (as it could, for example, with the introduction of subscriber trunk dialing or a rate change), then this change in traffic per subscriber should be anticipated and included in the forecast.

The traffic forecasts can be tabulated by extending the previous worksheet. Refer to Figure 6.3 which shows a forecast that assumes the traffic per subscriber remains essentially constant.

Traffic Matrices

The preparation of traffic matrices is not discussed in this guide for the following reasons:

- The national network development plans are prerequisites to the level of planning presented in this guide; thus, the exchange locations and network routing and dimensioning will have been prepared for the junction and long-distance networks.
- This guide considers each rural network a local network within the larger national network-planning framework.
- The developing rural network usually has a simple star or tree configuration due to traffic patterns and the desire to minimize implementation costs.