INTERNATIONAL TELECOMMUNICATION UNION

ITU-T Series E.800

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STANDARDIZATION SECTOR
OF ITU

Supplement 2
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SERIES E: OVERALL NETWORK OPERATION, TELEPHONE SERVICE, SERVICE OPERATION AND HUMAN FACTORS

Telephone network management and traffic engineering

Curves showing the relation between the traffic offered and the number of circuits required

ITU-T E.800-series Recommendations – Supplement 2

(Formerly CCITT Recommendations)

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For further details, please refer to the list of ITU-T Recommendations.

Supplement 2 to ITU-T E.800-series Recommendations

Curves showing the relation between the traffic offered and the number of circuits required

Source

Supplement 2 was approved in Melbourne (1988) and originally published in Blue Book, Fascicle II.3.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSC Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this publication, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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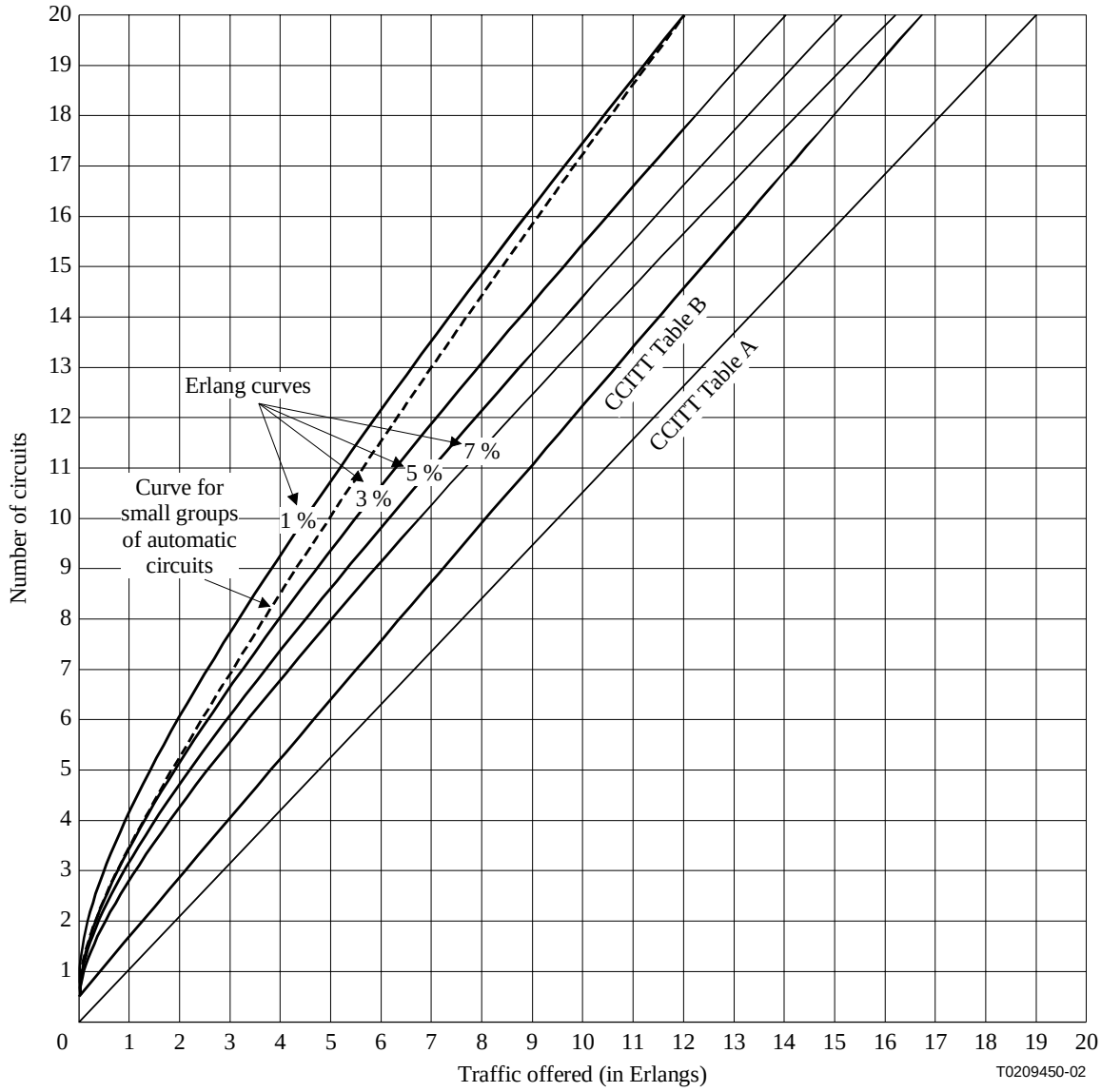
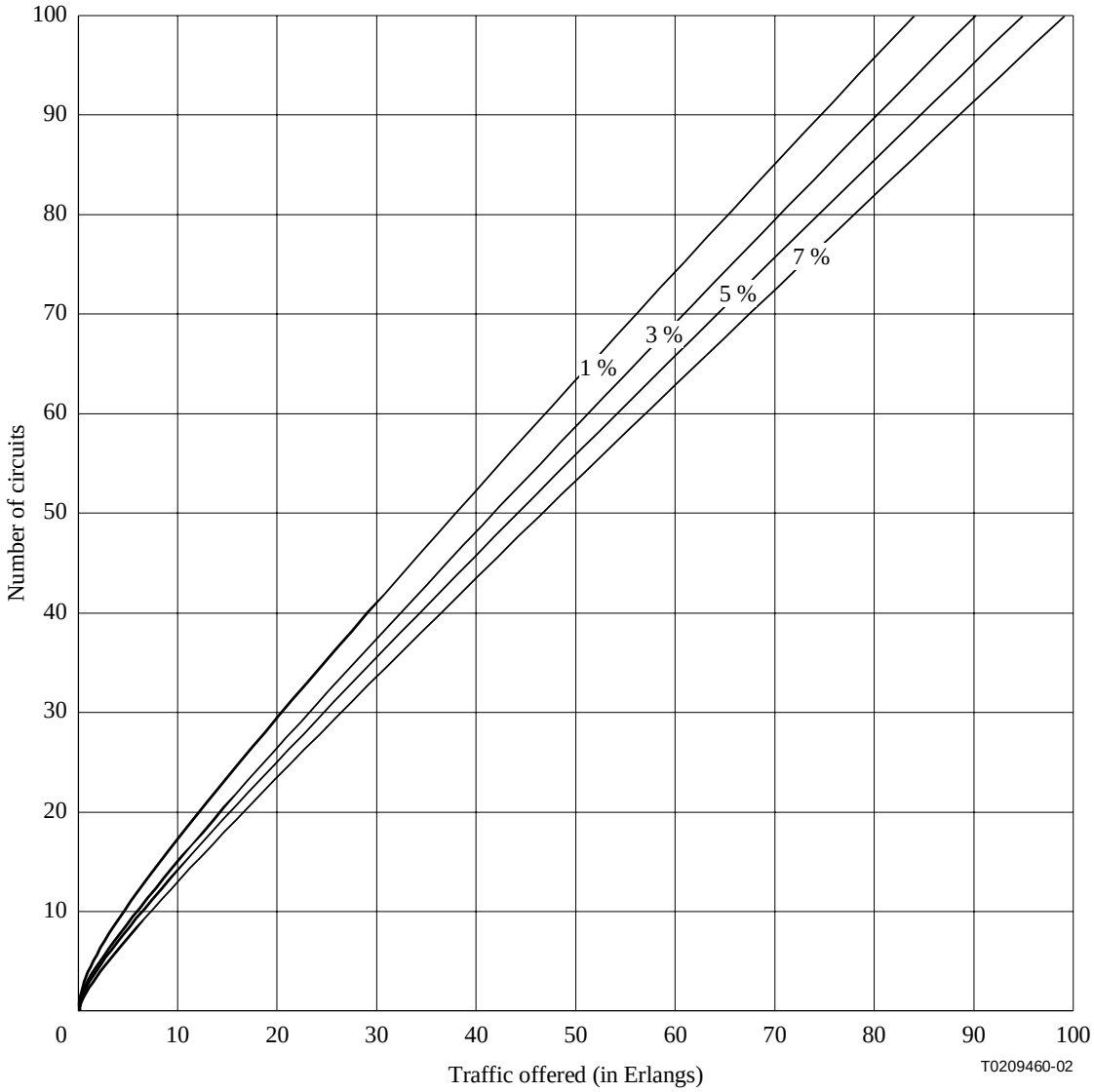
Supplement 2 to ITU-T E.800-series Recommendations

Curves showing the relation between the traffic offered and the number of circuits required



Relation between the traffic (in Erlangs) offered and the number of circuits required in the case of:
– the curves A and B of Table 1/E.510;
– the Erlang formula (p = 1 %, 3 %, 5 % and 7 %);
– the curve for small groups of automatic circuits (see Annex A to Recommendation E.520).

FIGURE 1
Number of circuits between 1 and 20



Relation between the traffic (in Erlangs) offered and the number of circuits required in the case of the Erlang formula for (p = 1 %, 3 %, 5% and 7 %).

FIGURE 2
Number of circuits between 1 and 100

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