

INTERNATIONAL TELECOMMUNICATION UNION

ITU-T RECOMMENDATION SUMMARY

Rec. No. : E.503

Title : Traffic measurement data analysis

Study Group : II - Network Operation

Version : Révisée

Date of adoption : 1992

Notes :

The aim of traffic measurements is to provide data that can be used by an Administration for planning, engineering and managing its network. The resulting measured data can be used to support various activities as stated in Recommendation E.502. In order to reduce the amount of data transfer and off-line processing, the exchange or operations system can be used to make preliminary analyses for purposes of:

- eliminating unnecessary data values;
- replacing missing or wrong values in an appropriate way;
- performing simple calculations on the values of the basic measurement entities to derive characteristic parameter values of the traffic;
- storing some measured or calculated values, in particular, traffic data records;
- producing appropriate user friendly report printouts.

For each measurement object, there is a data record in which a certain number of traffic values are stored. Also, some calculated values, e.g. moving average, can be stored and updated in this data record area.

The internal functions of the analysis are not specified in Recommendation E.503. They depend on the requirements for the output results which are specified by the Administration. An acceptable method may be to collect and store the data in real time, either in a temporary data base file or directly in the traffic data record, and later perform the calculations and report printout during periods of low exchange processing activity. Alternatively, the records can be transferred to an off-line system for processing, to reduce the load on the exchange.

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