



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

E.492

(02/96)

TELEPHONE NETWORK AND ISDN

**QUALITY OF SERVICE, NETWORK MANAGEMENT
AND TRAFFIC ENGINEERING**

TRAFFIC REFERENCE PERIOD

ITU-T Recommendation E.492

(Previously "CCITT Recommendation")

FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The 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 their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

ITU-T Recommendation E.492 was prepared by ITU-T Study Group 2 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 19th of February 1996.

NOTE

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

© ITU 1996

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the ITU.

CONTENTS

		<i>Page</i>
1	Scope.....	1
2	References.....	1
3	Terms and definitions.....	1
4	Introduction.....	1
5	Principles.....	1
6	Operations.....	2
7	Measurement seasons and days.....	2
8	Combination of measured data.....	2
9	Measurement hours.....	2
10	Read-out periods.....	2
11	Reference periods for quality factors during the normal and high load.....	3
12	Reference periods for network-wide quality factors.....	3
13	Different networks and services.....	3
	13.1 PSTN.....	3
	13.2 N-ISDN and the IN-based services.....	3
	13.3 Signalling System No. 7 (SS No. 7).....	4
	13.4 B-ISDN.....	4
	13.5 Other networks and services.....	4
14	History.....	4
	Annex A – Traffic measurements process chart.....	5
	Annex B – Examples of traffic measurements.....	6

SUMMARY

Traffic reference period is a time period, relevant in traffic observations for quality control or dimensioning. The traffic reference periods are defined to detect periods of loads appropriate for monitoring Grade of Service (GOS). Normally these are not predictable. This Recommendation discusses aspects related to determining these periods. Definitions are provided, also, for normal and high load.