



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

J.90

(05/2000)

SERIES J: TRANSMISSION OF TELEVISION, SOUND
PROGRAMME AND OTHER MULTIMEDIA SIGNALS

Ancillary digital services for television transmission

Electronic programme guides for delivery by digital cable television and similar methods – Reference operating scenario and requirements

ITU-T Recommendation J.90

(Formerly CCITT Recommendation)



Documents

Document Sharing Hub

TRANSMISSION OF TELEVISION, SOUND PROGRAMME AND OTHER MULTIMEDIA SIGNALS

General Recommendations	J.1–J.9
General specifications for analogue sound-programme transmission	J.10–J.19
Performance characteristics of analogue sound-programme circuits	J.20–J.29
Equipment and lines used for analogue sound-programme circuits	J.30–J.39
Digital encoders for analogue sound-programme signals	J.40–J.49
Digital transmission of sound-programme signals	J.50–J.59
Circuits for analogue television transmission	J.60–J.69
Analogue television transmission over metallic lines and interconnection with radio-relay links	J.70–J.79
Digital transmission of television signals	J.80–J.89
Ancillary digital services for television transmission	J.90–J.99
Operational requirements and methods for television transmission	J.100–J.109
Interactive systems for digital television distribution	J.110–J.129
Transport of MPEG-2 signals on packetised networks	J.130–J.139
Measurement of the quality of service	J.140–J.149
Digital television distribution through local subscriber networks	J.150–J.159

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

Electronic programme guides for delivery by digital cable television and similar methods – Reference operating scenario and requirements

Summary

This Recommendation specifies a reference operating scenario and a number of requirements applicable to Electronic Programme Guide (EPG) information delivered to the home by digital cable television and other similar distribution methods.

Delivery of EPG information may be implemented through various operating scenarios; a typical scenario is described in Appendix I by way of an example and to serve as a reference.

The importance of properly structured EPGs in which home viewers can readily navigate is becoming increasingly important with the current large increase in the number of programmes offered to the home, which is made possible by digital television delivery systems that employ bit rate reduction. This Recommendation is meant to catalyse the development of an efficient structure for EPG information, conducive to user-friendly interactive navigation tools that will help viewers to find their way among EPG information.

Source

ITU-T Recommendation J.90 was revised by ITU-T Study Group 9 (1997-2000) and approved under the WTSC Resolution 1 procedure on 18 May 2000.

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

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

© ITU 2001

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 ITU.

CONTENTS

Page

1	Scope	1
2	Normative references.....	1
3	Terms, definitions and acronyms	1
4	Discussion on Electronic Programme Guides for delivery by digital cable television.....	2
4.1	Information to be provided by EPGs.....	2
4.2	Labelling of EPG information	3
4.3	Conditional access	3
4.4	Delivery of EPG information to the home	4
4.5	Refresh rates	4
4.6	Presenting EPG information on consumer receivers.....	4
4.7	Considerations on interoperability.....	5
5	Summary of guidelines and specifications	6
	Appendix I – Example of an operating scenario for the generation, assembly and delivery of EPG information	6
I.1	Introduction	6
I.2	Sourcing EPG information	6
I.3	Assembling EPG information.....	7
I.4	Delivering EPG information.....	7
I.5	Presenting EPG information.....	7
	Appendix II – Bibliography.....	8

