



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

T.176

(02/98)

SERIES T: TERMINALS FOR TELEMATIC SERVICES

Application Programming Interface (API) for Digital Storage Media Command and Control (DSM-CC)

ITU-T Recommendation T.176

(Previously CCITT Recommendation)

ITU-T T-SERIES RECOMMENDATIONS
TERMINALS FOR TELEMATIC SERVICES



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

ITU-T RECOMMENDATION T.176

APPLICATION PROGRAMMING INTERFACE (API) FOR DIGITAL STORAGE MEDIA COMMAND AND CONTROL (DSM-CC)

Summary

This Recommendation specifies the Application Programming Interface (API) of DSM-CC for the use in basic multimedia applications.

Source

ITU-T Recommendation T.176 was prepared by ITU-T Study Group 16 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 6th of February 1998.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the 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.

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

The ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. The 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, the 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 1998

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

	Page
1 Scope	1
2 Normative references.....	1
3 Definitions and abbreviations.....	1
3.1 Definitions	1
3.2 Abbreviations	2
4 Overview	2
4.1 The DAVIC application interchange format	2
4.2 Core set of Java APIs	2
5 Package <code>davic.CosNaming</code>	3
5.1 Class <code>davic.CosNaming.NameComponent</code>	3
5.2 Class <code>davic.CosNaming.Binding</code>	4
5.3 Exception <code>davic.CosNaming.NotFound</code>	4
5.4 Exception <code>davic.CosNaming.CannotProceed</code>	4
5.5 Exception <code>davic.CosNaming.InvalidName</code>	4
5.6 Class <code>davic.CosNaming.BindingIterator</code>	4
5.7 Interface <code>davic.CosNaming.NamingContext</code>	5
6 Package <code>davic.dsmccuu</code>	5
6.1 Class <code>davic.dsmccuu.Step</code>	5
6.2 Exception <code>davic.dsmccuu.SERVICE_XFR</code>	5
6.3 Exception <code>davic.dsmccuu.dsmccuuException</code>	6
6.4 Exception <code>davic.dsmccuu.INV_OFFSET</code>	6
6.5 Exception <code>davic.dsmccuu.INV_SIZE</code>	6
6.6 Exception <code>davic.dsmccuu.READ_LOCKED</code>	6
6.7 Exception <code>davic.dsmccuu.WRITE_LOCKED</code>	6
6.8 Exception <code>davic.dsmccuu.OPEN_LIMIT</code>	6
6.9 Exception <code>davic.dsmccuu.NO_AUTH</code>	6
6.10 Exception <code>davic.dsmccuu.UNK_USER</code>	6
6.11 Exception <code>davic.dsmccuu.BAD_COMPAT_INFO</code>	7
6.12 Exception <code>davic.dsmccuu.NO_RESUME</code>	7
6.13 Exception <code>davic.dsmccuu.NO_SUSPEND</code>	7
6.14 Interface <code>davic.dsmccuu.Base</code>	7
6.15 Class <code>davic.dsmccuu.File</code>	7
6.16 Class <code>davic.dsmccuu.Directory</code>	8



	Page
6.17 Interface davic.dsmccuu.SessionI.....	9
6.18 Class davic.dsmccuu.Session	9
6.19 Class davic.dsmccuu.SessionGateway	10