

Superseded

CableLabs[®] Video-On-Demand Content Specification Version 1.1

MD-SP-VOD-CONTENT1.1-I02-030415

Issued

Notice

This specification is a cooperative effort undertaken at the direction of Cable Television Laboratories, Inc. (CableLabs[®]) for the benefit of the cable industry. Neither CableLabs, nor any other entity participating in the creation of this document, is responsible for any liability of any nature whatsoever resulting from or arising out of use or reliance upon this document by any party. This document is furnished on an AS-IS basis and neither CableLabs, nor other participating entity, provides any representation or warranty, express or implied, regarding its accuracy, completeness, or fitness for a particular purpose.

© Copyright 2002-2003 Cable Television Laboratories, Inc.
All rights reserved.

Document Status Sheet

Document Control Number:	MD-SP-VOD-CONTENT1.1-I02-030415			
Document Title:	CableLabs® Video-On-Demand Content Specification Version 1.1			
Revision History:	I02 – Released 4/15/03 I01 – Released 9/27/02 D01 – Released 8/26/02			
Date:	April 15, 2003			
Status:	Work in Progress	Draft	Issued	Closed
Distribution Restrictions:	Author Only	CL/Member	CL/Member/ Vendor	Public

Key to Document Status Codes:

- Work in Progress** An incomplete document, designed to guide discussion and generate feedback, that may include several alternative requirements for consideration.
- Draft** A document in specification format considered largely complete, but lacking review by Members and vendors. Drafts are susceptible to substantial change during the review process.
- Issued** A stable document, which has undergone rigorous member and vendor review and is suitable for product design and development, cross-vendor interoperability, and for certification testing.
- Closed** A static document, reviewed, tested, validated, and closed to further engineering change requests to the specification through CableLabs.

TABLE OF CONTENTS

1	INTRODUCTION	1
1.1	PURPOSE.....	1
1.2	SCOPE.....	1
1.3	REQUIREMENTS	1
2	REFERENCES	2
2.1	NORMATIVE REFERENCES	2
2.2	INFORMATIVE REFERENCES.....	2
2.3	REFERENCE ACQUISITION.....	2
3	TERMS AND DEFINITIONS	3
4	ABBREVIATIONS AND ACRONYMS.....	3
5	ASSET STRUCTURE	4
5.1	PACKAGE.....	4
5.1.1	<i>Package Metadata</i>	5
5.1.2	<i>Content</i>	6
5.1.3	<i>Assets</i>	6
5.2	TITLE ASSET	6
5.2.1	<i>Title Metadata</i>	6
5.2.2	<i>Title Content</i>	13
5.2.3	<i>Title Assets</i>	13
5.3	MOVIE ASSET	13
5.3.1	<i>Movie Metadata</i>	13
5.3.2	<i>Movie Content</i>	15
5.3.3	<i>Movie Assets</i>	16
5.4	STILL-IMAGE ASSET	16
5.4.1	<i>Still-Image Metadata</i>	16
5.4.2	<i>Still-Image Content</i>	17
5.4.3	<i>Still-Image Assets</i>	17
5.5	PREVIEW ASSET	18
5.5.1	<i>Preview Metadata</i>	18
5.5.2	<i>Preview Content</i>	20
5.5.3	<i>Preview Assets</i>	20
5.6	TRIAL USE FIELDS.....	21
6	ENCODING SPECIFICATIONS	22
6.1	VIDEO.....	22
6.2	BIT RATE.....	22
6.3	RESOLUTION.....	22
6.4	PASSES	22
6.5	PIDS	22
6.6	TRANSPORT STREAM REQUIREMENTS	23
6.7	GENERAL ELEMENTARY STREAM REQUIREMENTS	23
6.8	GOP - VIDEO STREAM REQUIREMENTS	23
6.9	AUDIO	24

6.10	CLOSED CAPTIONING / ALTERNATE LANGUAGES / V-CHIP	24
6.11	SUBTITLES	24
ANNEX A	RATINGS AND ADVISORIES.....	25
A.1	MPAA RATINGS	25
A.2	TV RATINGS	25
A.3	OTHER RATINGS.....	25
A.4	CONTENT ADVISORIES	26
A.5	MSO RATINGS	26
A.6	AUDIENCE	26
ANNEX B	SPECIAL CHARACTERS	27
B.1	ISO-8859-1 (LATIN1)	27
B.2	CHARACTER SET	27
APPENDIX I	VOD EXAMPLES (INFORMATIVE).....	28
I.1	VOD EXAMPLE 1	28
I.2	VOD EXAMPLE 2	32
I.3	SVOD EXAMPLE.....	34
APPENDIX II	REVISION HISTORY	37

List of Tables

TABLE 1 – PACKAGE METADATA.....	5
TABLE 2 – TITLE METADATA	6
TABLE 3 – MOVIE METADATA	13
TABLE 4 – STILL IMAGE METADATA.....	16
TABLE 5 – PREVIEW METADATA.....	18
TABLE 6 – CONTENT ADVISORIES	26

1 INTRODUCTION **Superseded**

1.1 Purpose

This specification describes how to create content for the Video on Demand service.

1.2 Scope

This document describes the specific assets (content and metadata) used by the VOD service that can be distributed using the Asset Distribution Interface. It does not specify a distribution method.

1.3 Requirements

Throughout this document, the words that are used to define the significance of particular requirements are capitalized. These words are:

“MUST”	This word or the adjective “REQUIRED” means that the item is an absolute requirement of this specification.
“MUST NOT”	This phrase means that the item is an absolute prohibition of this specification.
“SHOULD”	This word or the adjective “RECOMMENDED” means that there may exist valid reasons in particular circumstances to ignore this item, but the full implications should be understood and the case carefully weighed before choosing a different course.
“SHOULD NOT”	This phrase means that there may exist valid reasons in particular circumstances when the listed behavior is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behavior described with this label.
“MAY”	This word or the adjective “OPTIONAL” means that this item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because it enhances the product, for example; another vendor may omit the same item.

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.