· | | · · | | · · CISCO ...

December 2006

Switched Digital Video CSR Guide

Overview

Introduction

Switched digital video (SDV) is a technology that allows cable operators to recover bandwidth from infrequently viewed channels by making these channels "on-demand." Instead of sending all channels to the set-top boxes, lightly viewed channels are put into a *switching pool*, or queue, and only sent to the set-top boxes when viewers tune to them.

Purpose

This guide provides flow diagrams to help Customer Service Representatives (CSRs) understand the different scenarios that a consumer may encounter when tuning to SDV channels. Use these diagrams to troubleshoot and identify which scenarios you can resolve and which scenarios you need to refer to individuals in other departments, such as the system operator, headend operator, or field technician.

Audience

This guide is designed for cable service providers and CSRs who are responsible for operating and maintaining SDV systems.

Document Version

This is the second release of this guide.

In This Document

This document contains the following topics.

Topic	See Page
Scenario 1: Tune an Available SDV Channel (Normal Operation)	3
Scenario 2: Tune an Available SDV Channel (Operation Delay)	4
Scenario 3: Tune an Unavailable SDV Channel	5
Scenario 4: Tune an Unavailable SDV Channel in Main	6
Scenario 5: Tune an Unavailable SDV Channel in PIP	7
Scenario 6: Tune Unavailable SDV Channels in PIP and Main Screens	8
Scenario 7: Screen Saver Retries Tuning	9
Scenario 8: Server Needs Bandwidth (Main Screen)	10
Scenario 9: Server Needs Bandwidth (PIP Screen)	11
Scenario 10: SDV Channel Removed to Reclaim Bandwidth	12
Scenario 11: Incomplete Recording of SDV Channel	13
Scenario 12: Purchase SDV Service from PPV Channel	14
Scenario 13: PPV Channel SDV Service or SDV Interstitial	15

Scenario 1: Tune an Available SDV Channel (Normal Operation)

Watch TV



Scenario 2: Tune an Available SDV Channel (Operation Delay)

Watch TV



Scenario 3: Tune an Unavailable SDV Channel in Main Screen

Watch TV



Scenario 4: Tune an Unavailable SDV Channel in Main Screen with PIP Displayed



Scenario 5: Tune an Unavailable SDV Channel in PIP Screen



Scenario 6: Tune Unavailable SDV Channels in PIP and Main Screens

Note: The Main and PIP channels are both SDV channels in this scenario.



Scenario 7: Screen Saver Retries Tuning to SDV Channel



Scenario 8: Server Needs Bandwidth (Main Screen)

Available SDV Channel



4016660 Rev B

When the server needs

Scenario 9: Server Needs Bandwidth (PIP Screen)

Available SDV Channel



4016660 Rev B

Scenario 10: SDV Channel Removed to Reclaim Bandwidth



this channel every 30 seconds

Scenario 11: Incomplete Recording of SDV Channel

Available SDV Channel



Scenario 12: Purchase SDV Service from PPV Channel



PPV SDV Channel

Scenario 13: PPV Channel SDV Service or SDV Interstitial





Attention: Viewing may be shut down momentarily Press any key to continue watching TV.

Note: If the current PPV event is not available but is scheduled for recording, the PPV Not Available barker text will read "Your recording will begin when this event becomes available."

For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.

Cisco Systems, Inc. 5030 Sugarloaf Parkway, Box 465447 Lawrenceville, GA 30042 678 277-1120 800 722-2009 www.cisco.com

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at www.cisco.com/go/trademarks.

Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1009R)

Product and service availability are subject to change without notice.

© 2006, 2012 Cisco and/or its affiliates. All rights reserved.

May 2012 Printed in USA

Part Number 4016660 Rev B