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## 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.

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## 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



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When the server needs

#### Scenario 9: Server Needs Bandwidth (PIP Screen)

Available SDV Channel



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## 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.

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