

Cycle 10 Broadcast Practice Exam (Sample)

Study Guide



Everything you need from our exam experts!

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. Renaming a track on Studer Vista Console?**
 - A. Double-clicking**
 - B. Using the Edit menu**
 - C. Right-clicking**
 - D. Dragging the track name**

- 2. When moving AES signals between the Black Magic de-embedder and the S-Core, what impedance change is specified?**
 - A. 50 ohm BNC to 75 ohm XLR**
 - B. 75 ohm BNC to 110 ohm XLR**
 - C. 110 ohm BNC to 75 ohm XLR**
 - D. 50 ohm BNC to 110 ohm XLR**

- 3. Which of the following terminations is used for key panel connections?**
 - A. RJ45**
 - B. RJ12**
 - C. RJ45 + RJ12**
 - D. USB-C**

- 4. What does **** on an RTS communications panel mean?**
 - A. It is not connected to the Zeus frame**
 - B. It is connected to the Zeus frame**
 - C. It indicates a fault**
 - D. It is a test pattern**

- 5. What term describes starting music but not tracking until a later time?**
 - A. Dead Roll**
 - B. Post Roll**
 - C. Deferred Cue**
 - D. Hold Track**

- 6. Where do you access the mic pre and phantom power controls for the Model 210?**
- A. Front panel**
 - B. Back panel dip switches**
 - C. Side panel**
 - D. Under the desk**
- 7. Which of the following statements is accurate about the Zeus frame's information transmission to the key panels?**
- A. Audio only**
 - B. Data only**
 - C. Audio, Data, and Routing**
 - D. Routing only**
- 8. If you are not finished setting up, can you push a show back 5 minutes?**
- A. Yes**
 - B. Sometimes**
 - C. It depends**
 - D. Never**
- 9. If a number represents a camera, what do letters and colors mean in this system?**
- A. Lighting Cues**
 - B. Audio Channels**
 - C. Video Replay**
 - D. Graphic Effects**
- 10. Which device is associated with IFB in this material?**
- A. RTS PS20**
 - B. Key Panel**
 - C. CRAS Console**
 - D. RTS 4030**

Answers

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1. C
2. B
3. C
4. A
5. A
6. B
7. C
8. D
9. C
10. D

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Explanations

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1. Renaming a track on Studer Vista Console?

- A. Double-clicking
- B. Using the Edit menu
- C. Right-clicking**
- D. Dragging the track name

Renaming a track is most reliably done through the context menu that appears when you interact with the track name. On the Studer Vista Console, right-clicking the track name brings up options, including Rename. This makes the change quick and intentional, reducing the chance of accidentally altering something else. Once you right-click and choose Rename, you can type the new label and press Enter to apply it. The other methods don't fit as well here: double-clicking might not activate a rename function on this interface, using an Edit menu may not be accessible or relevant for a single track label, and dragging the name would typically move the track or label rather than rename it. The right-click approach aligns with common UI patterns for editing item labels.

2. When moving AES signals between the Black Magic de-embedder and the S-Core, what impedance change is specified?

- A. 50 ohm BNC to 75 ohm XLR
- B. 75 ohm BNC to 110 ohm XLR**
- C. 110 ohm BNC to 75 ohm XLR
- D. 50 ohm BNC to 110 ohm XLR

The key idea is proper impedance matching when moving an AES signal between interfaces that use different physical connectors. AES/EBU digital audio runs as 110-ohm, balanced data, typically on XLR. In many video setups, the signal path uses 75-ohm coax with BNC connectors. So the required change is from 75-ohm BNC to 110-ohm XLR. This transition preserves signal integrity by preventing reflections and ensuring the AES signal is presented to the next device in its standard 110-ohm, balanced form. The other impedance pairings don't align with how AES is defined or with the typical BNC/SDI vs. XLR AES pathways.

3. Which of the following terminations is used for key panel connections?

- A. RJ45
- B. RJ12
- C. RJ45 + RJ12**
- D. USB-C

Key panels in broadcast gear often need more than a single cable to carry different kinds of signals. RJ45 jacks are common for multi-conductor data/control lines and can handle a robust signaling path, while RJ12 jacks are designed for additional control lines with a separate set of conductors. Some panels use both types to support all the required signals, so the practical termination is a combination of RJ45 and RJ12. USB-C isn't typically used for key-panel signaling, and using only one type would miss either the extra lines or the higher-density control path. So the best choice is the combination of RJ45 plus RJ12.

4. What does ** on an RTS communications panel mean?**

- A. It is not connected to the Zeus frame**
- B. It is connected to the Zeus frame**
- C. It indicates a fault**
- D. It is a test pattern**

On an RTS intercom panel, status indicators show whether that panel is linked to the Zeus frame, which handles routing and control. When you see a string of asterisks, it means there's no active link to the Zeus frame—the panel isn't connected. Without that connection, the panel has no path to route calls or display channel information, so it can't be used for intercom at that moment. If it were connected, you'd see a channel name or port indicator instead of ****. A fault would usually trigger a fault icon or warning, and a test pattern is something used for equipment testing rather than normal operation.

5. What term describes starting music but not tracking until a later time?

- A. Dead Roll**
- B. Post Roll**
- C. Deferred Cue**
- D. Hold Track**

Starting music without logging the cue until later is about rolling the audio early while keeping the cue out of the rundown until the precise moment it's needed. This is called a dead roll. The term emphasizes that the sound is in progress (the music is rolling) but the cue is not actively tracked or treated as a formal entry in the program schedule yet, giving you flexibility to bring it live at the exact right time. For example, you might dead roll a theme during a host's intro so the bed is ready, and only officially log and trigger it when the transition to the next segment occurs. The other terms describe different behaviors: a post roll would play after the main action, a deferred cue would be scheduled to start later but still tracked, and a hold track would keep a track ready without starting it.

6. Where do you access the mic pre and phantom power controls for the Model 210?

- A. Front panel**
- B. Back panel dip switches**
- C. Side panel**
- D. Under the desk**

The controls for mic pre and phantom power on the Model 210 are on the back panel as small DIP switches. This placement keeps the high-voltage phantom power out of the way and makes the settings less likely to be bumped during use, while still letting you configure each channel's mic pre and phantom power reliably. Front panels usually carry the knobs you touch often, like gain and level meters, but the actual power and per-channel configuration that governs the preamp behavior lives on the rear for safety and stability. You'd use the back-panel switches to enable 48V phantom power and to set the mic pre options for each input.

7. Which of the following statements is accurate about the Zeus frame's information transmission to the key panels?

- A. Audio only**
- B. Data only**
- C. Audio, Data, and Routing**
- D. Routing only**

The essential idea is that the Zeus frame delivers three separate streams to each key panel so it can function fully: audio provides the audible content, data carries control and cue information the panel uses to display graphics or execute commands, and routing tells the system where signals should go or how paths should be switched. All three are needed because a panel that only receives audio can't know what to display or how to react; a panel that only gets data can't produce sound; and routing alone can't supply the actual content or the commands to act on. By transmitting audio, data, and routing together, the panels receive the complete set of information they need to operate correctly and stay synchronized with the rest of the system.

8. If you are not finished setting up, can you push a show back 5 minutes?

- A. Yes**
- B. Sometimes**
- C. It depends**
- D. Never**

In broadcast environments, timing is the backbone of a show. The start time and every segment are clocked tightly so commercials, network cues, and transitions line up precisely across the whole day. Pushing a show back by five minutes would ripple through the entire schedule, throwing off ad breaks, affiliate timing, and the planned flow of already scheduled content. Because the clock is fixed and the schedule must stay intact, you don't start the show late to finish setup; you either wait to go live until everything is ready or use pre-produced material that keeps the clock running until you can complete setup. That's why the answer is Never.

9. If a number represents a camera, what do letters and colors mean in this system?

- A. Lighting Cues**
- B. Audio Channels**
- C. Video Replay**
- D. Graphic Effects**

When a number is used to identify a live camera, letters and color coding are introduced to label other on-air video elements. These cues are designed for speed and clarity in a busy control room, and they most often point to video replay clips stored in the media system. The letters act as shorthand for different replay banks or clip slots, while the colors help the operator quickly distinguish replay sources from live feeds or other video elements on the switcher. This setup keeps the director from confusing a stored clip with a current camera feed, which is crucial for delivering timely, seamless replays during a broadcast.

10. Which device is associated with IFB in this material?

- A. RTS PS20**
- B. Key Panel**
- C. CRAS Console**
- D. RTS 4030**

IFB stands for interruptible foldback, the private cue channel that lets on-air talent hear a producer or director without the audience hearing. In this material, the device described as handling the IFB feed is the RTS 4030. It's part of the RTS intercom family and is used to route the cue audio to the talent's headset, enabling talkback and cues. The other devices serve different roles—PS20 is another RTS station type, the Key Panel is a control surface for selecting sources, and the CRAS Console is the main mixing console. None of those are described as the IFB device in this context.

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Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://cycle10broadcast.examzify.com>

We wish you the very best on your exam journey. You've got this!

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