

AVID LEARNING SERVICES

Certification Exam Study Guide



VE400 Study Guide

Avid Certified Support Representative (ACSR) VENUE | S6L

About the Exam

Exam	VENUE S6L ACSR
Exam Code	VE400 ACSR
Type of Exam	Multiple choice
Certification Level	Avid Certified Support Representative (ACSR)
Duration	60 minutes
No. Of Questions	50 questions
Passing Score	80%
Exam Language	English

Target Audience

The Avid Certified Support Representative: Avid VENUE | S6L certification is designed for industry professionals and Avid Channel partners seeking to validate that they have the knowledge and skills necessary to install and configure Avid VENUE | S6L hardware and software components to fully harness its power.

Benefits

ACSR: Avid VENUE | S6L certification provides:

- Industry recognition of proven expertise as a technical professional who understands how to install, configure, and support the Avid VENUE | S6L system.
- Access to the ACSR technical community for peer to peer communication
- A certification logo to add to marketing materials, websites, business cards to differentiate yourself and your organization.
- Entry in Avid's Certification Registry accessible via the [Find a Certified Professional](#) online listing, as well as a Certificate of Achievement.

Exam Preparation

Successful candidates will have extensive experience with Avid VENUE hardware and software, as well as a working knowledge of Pro Tools.

Although course attendance is not required to take the certification exam, Avid strongly recommends candidates take the [ACSR Avid VENUE | S6L System Support \(VE400\)](#) course. This course provides a real world “out of box” experience in installing and configuring Avid VENUE | S6L hardware and software components from the ground up, building the skills and competencies required for certification.

Certification is granted solely based on passing the ACSR: Avid VENUE | S6L certification exam. Course attendance is optional, though highly recommended.

Certification Path

Avid Certified Support Representative | VENUE | S6L



Certification Exam Topics

The following topics are included in the certification exam. You should be experienced in the technical and operational details of each:

Lesson 1: VENUE | S6L Overview

Provides a technical overview of the VENUE | S6L hardware and software components.

- S6L System Processing Capabilities
- S6L Recording and Playback Features
- Available S6L Control Surfaces and their Features
- Available E6L Engines and their Features
- E6L Engine Architecture
- E6L Engine Option Cards
- Available Stage I/O Devices and their Features
- Available Stage I/O Option cards

Lesson 2: VENUE | S6L Hardware Configuration

Covers the configuration of various VENUE | S6L hardware components and how these integrate with one another.

- S6L Control Surface Connections
- E6L Engine Connections
- Stage 64 Connections and Stage 64 Controller
- Stage 32 and Stage 16 Connections
- Ethernet AVB Audio Network Connections
- Redundant Ring Audio AVB Network
- Pairing S6L and E6L
- Assigning Stage I/O Racks

Lesson 3: VENUE | S6L Software Installation & Configuration

Details activation, download, installation and authorization of the various software components of the VENUE | S6L system.

- Activating S6L System Components
- Downloading S6L System Software
- Creating S6L and E6L System Restore USB Sticks
- Installing and Activating VENUE Software on the S6L and E6L
- Confirming System Components
- Managing Stage I/O Rack Connections
- Installing Plug-Ins and Optional Software (ECx, Standalone Software and Avid On-Stage App)

Lesson 4: VENUE | S6L Hardware Options

Covers the features and installation of the various VENUE | S6L hardware options available.

- Accessing the E6L Engine Core
- Installing E6L Option Cards
- Installing I/O Cards in the Stage 64 and Stage 32 Remote I/O Racks
- I/O Card Features
- Confirming Installation of I/O Option Cards

Lesson 5: Integrating VENUE | S6L into a Live Sound Environment

Discusses Ethernet AVB Networking technology and specific VENUE | S6L networking requirements, connection and configuration I/O, and basic routing of signals and configuration of Mains and Mix busses.

- Ethernet AVB Technical Overview
- Cabling Requirements (Copper and Fiber Optic)
- Supported AVB Network Configurations
- Shared Input Configurations
- True Gain™ Technology
- LTC, MIDI, Footswitch and GPI I/O Connections
- Routing Audio Inputs
- Configuring Mains and Monitor Buses

Lesson 6: S6L Control Surface Operational Overview

Discusses the various operational workflows facilitated by the S6L control surface and provides the formative stage of an operational overview of the VENUE | S6L system from a technical perspective.

- Control Surface Modules
 - Channel Fader Module
 - Channel Knob Module
 - Channel Touch Module
 - Master Live Module
 - Master Touch Screen
- Channel Strip Mode
- Channel Control Mode

Lesson 7: VENUE Software Functional Overview

Provides a functional overview of each page of the external VENUE software screen and discusses the various functional and configuration settings, providing the concluding stage of an operational overview of the VENUE | S6L system from a technical perspective.

- Overview Page
- Inputs and Outputs Page
- Layouts View
- Filing Page
- Snapshots Page
- Patchbay Page
- Plug-Ins Page
- Control Page
- Options Page

Lesson 8: Interfacing Pro Tools with VENUE | S6L

Looks at the various options for interfacing Pro Tools (or third-party Digital Audio Workstations) directly to VENUE | S6L for recording and playback, and configuration of Venue Link for interoperability with Pro Tools and Virtual Soundcheck.

- Pro Tools Recording and Playback via AVB or MADI
- Pro Tools Software and the Live Sound Production Toolkit
- Connecting and Configuring Pro Tools
- Virtual Soundcheck
- Using VENUE Link

Lesson 9: Diagnostics & Troubleshooting

Covers usage of the various diagnostic modes available with VENUE | S6L to assist with troubleshooting the system in the field, resetting and reinitializing the system, and field servicing system components.

- Operational Requirements
- System Reset
- S6L Control Surface Module Configuration
- Utility Modes
- VENUE System Test
- VENUE Internal Folder Structure
- Support Mode
- System Log Files
- Advanced Troubleshooting
- Field Service Procedures

Practice Questions

The following questions are not part of the current VE400 exam but are similar to the questions likely to be asked.

1. What are some of the optional cards available for the E6L engine?
 - A. MADI Option Card
 - B. Dante Option Card
 - C. Waves Soundgrid Card
 - D. All of the above
 - E. A and C only
2. What are the three main components of a VENUE | S6L system?
 - A. Control Surface, Engine and Pro Tools
 - B. AVB Network Card, Engine and I/O Cards
 - C. Engine, Control Surface and AVB Network Card
 - D. Control Surface, Engine and Stage I/O Device(s)
 - E. VENUE software, Pro Tools and ECx software
3. What would typically be connected to the S6L Control Surface Interior Secure USB Port?
 - A. Backup USB Drive
 - B. USB Hub
 - C. iLok containing Pro Tools license
 - D. iLok containing VENUE Plug-In licenses
 - E. USB stick with VENUE restore software

4. Where do you confirm the connected VENUE | S6L system components?
 - A. On the Patchbay page
 - B. On the Inputs page
 - C. On the Overview page
 - D. On the Options>System page
 - E. On the Options>Devices page
5. Which statement about Config mode is true?
 - A. The S6L system does not pass audio in Config mode.
 - B. Config mode allows operations which could potentially interrupt audio.
 - C. Config mode is the default mode. Therefore, the S6L is in Config mode after a restart.
 - D. B and C only
 - E. All of the above
6. What are the industry adopted technologies supported by VENUE | S6L through the addition of option cards?
 - A. Thunderbolt
 - B. MADI
 - C. Dante
 - D. B and C only
 - E. All of the above
7. Which of the following option cards are available for the E6L engine?
 - A. Waves Soundgrid Option card
 - B. Digital Input card (AES and ADAT)
 - C. Dante Option card
 - D. Analog Input card
 - E. All of the above
8. What advantages may Multi-Mode fiber have over Single-Mode fiber-optic network connections?
 - A. Less expensive
 - B. More robust
 - C. Longer achievable cable runs
 - D. All of the above
 - E. A and B only
9. How many GPI I/O connections does the S6L system provide?
 - A. 4 in/4 out
 - B. 8 in/8 out
 - C. 12 in/12 out
 - D. 16 in/16 out
 - E. 32 in/32 out

10. What is the default configuration of the Flex Channels on the Master Live Module?
- A. Flex 1: Mains Left – Flex 2: Mains Right
 - B. Flex 1: Mains L&R – Flex 2: Mains Centre
 - C. Flex 1: Attentioned Channel – Flex 2: Selected Channel
 - D. Flex 1: Attentioned Channel – Flex 2: Mains L&R
 - E. Flex 1: Selected Channel – Flex 2: Attentioned Channel
11. Which statement about Channel Strip Mode and Channel Control Mode is NOT true?
- A. In Channel Control Mode all 32 encoders are used to control the selected channel.
 - B. In Channel Strip mode EQ Gain and EQ Freq can be adjusted.
 - C. After pressing the HOME button on the Master Live Module, the S6L switches to Channel Control Mode.
 - D. In both modes, yellow encoder LED rings represent Expander/Gate parameters.
 - E. When no channel is selected, Channel Strip mode is active.
12. Which of the following is NOT one of the nine main pages available from the external VENUE software screen?
- A. Patchbay
 - B. System
 - C. Snapshots
 - D. Inputs
 - E. Overview
13. How many Plug-In racks are displayed in Full View mode of the Plug-In page on the external VENUE software screen?
- A. 1
 - B. 2
 - C. 3
 - D. 4
 - E. 5
14. Which statement about VENUE Link is true?
- A. For VENUE Link to work, the Pro Tools system has to be connected to Port C of the S6L surface, even when recording via MADI.
 - B. VENUE Link is optional software, which has to be installed separately.
 - C. VENUE Link has to be enabled in order to record audio in Pro Tools via AVB.
 - D. VENUE Link has to be enabled in Pro Tools, but it is automatically enabled on the VENUE system.
 - E. VENUE Link requires an iLok license.
15. If the input gain of channels is altered during a Virtual Soundcheck, what options are available when switching back to the live Stage 64 inputs?
- A. Apply Gain changes to Stage 64 inputs.
 - B. Apply Gain changes to Snapshots
 - C. Save the Session File
 - D. A and B only
 - E. All of the above

16. How can you access the local Utility Mode on Channel Fader Modules?
- A. By right-clicking on the S6L surface on Options>Devices page
 - B. By pressing and holding the **Menu** and **Safe** switches on the module's first channel.
 - C. By pressing and holding the **X** and **Y** switches on the module's first channel.
 - D. By pressing and holding the **Menu** and **Select** switches on the module's first channel.
 - E. By pressing the **Control** switch on the Master Live Module and the **Safe** switch on the module's first channel.
17. How would you go about retrieving System Log Files?
- A. Log into your Avid Master account and download the Log Files.
 - B. Log Files can be exported directly from the Option>Devices page.
 - C. Enter Support Mode, then press Control + Shift + L.
 - D. Log Files can be viewed on the Filing>History Page.
 - E. C and D only

Answers to Practice Questions

Use the answers below to check your knowledge on the practice questions.

1. E: The Dante Option Card is installed in a Stage 64 or Stage 32 I/O Rack.
2. D: Control Surface, Engine and Stage I/O Device(s).
3. D: iLok containing VENUE Plug-In licenses.
4. E: On the Options>Devices page.
5. B: Config mode allows operations which could potentially interrupt audio.
6. D: There is no Thunderbolt Option card.
7. A: Waves Soundgrid Option card. The other Option cards reside inside a Stage I/O device.
8. E: A and B only. Single-Mode allows for longer cable runs.
9. B: 8 in/8 out
10. C: Flex 1: Attentioned Channel – Flex 2: Mains L&R
11. C: The HOME button activates Channel Strip Mode.
12. B: The System page is a sub-page of the Options main page.
13. E: In Full View mode, five Plug-In racks are displayed, each showing five Plug-In rack slots.
14. A: For VENUE Link to work, the Pro Tools system has to be connected to Port C of the S6L surface, even when recording via MADI.
15. A: Apply Gain changes to Stage 64 inputs.
16. B: By pressing and holding the **Menu** and **Safe** switches on the module's first channel.
17. C: Enter Support Mode, then press Control + Shift + L.