

RMIT University - Test Script (Converged AV)

Room:	BBB.LL.RRR				AV Design:		Date:						
Ref	Item	Script No.	Test Type	Document	Reference	Details	Severity	Test Status	Defect Identified	Associated Defect No.	Comment/Defect	Resolution Date	Date of Final Test
1	Control System (Touch Panel and Keypad)	1.01	Functional			Ensure the Control Panel has an immediate response when activating the buttons (less than 300 milliseconds)	1	Not Run					
		1.02	Functional	AVS 3.00	3.15	Ensure all input sources are represented on the Touch Panel or Push Button controller (as per room design)	1	Not Run					
		1.03	Functional	AVS 3.00	3.15	Ensure correct feedback representation on Touch Panel for the following: a. all input sources; b. volume up and down; c. picture mute (if applicable); and d. audio mute	1	Not Run	No				
		1.04	Functional			Verify layouts & labels are correct	1	Not Run					
		1.05	Functional	AVS 3.00	3.15	Verify Help page has been loaded and direct users to Service and Support.	1	Not Run					
		1.06	Functional	CAV DG	3.6.2	Ensure Auto Brightness has been set to off, and the brightness setting has been set to 80%	1	Not Run					
		1.07	Functional	CAV DG	3.6.2	Ensure Auto Backlight has been set to off, and the backlight setting has been set to 80%	1	Not Run					
2	Projector(s)	2.01	Functional			Verify all input sources are switched to and display the content from each source (as per room design)	1	Not Run					
		2.02	Functional	AVS 3.00	3.12.4.7 Projector settings	Ensure a black background is set when there is no input. If there is no input getting to the Encoder, a black screen will be displayed. If there is no input getting to the Decoder, the Decoder splash screen will be displayed.	1	Not Run					
		2.03	Functional			Ensure the on-screen display (OSD) messages are switched off (e.g. source display messages)	2	Not Run					
		2.04	Functional	AVS 3.00	3.12.4.8 Aspect Ratio 3.12.6 Perceived Image Quality	Ensure the projected image is aligned, focused and displays the same aspect ratio as per the input source	1	Not Run					
		2.05	Functional	AVS 3.00	3.12.4.3 Image Geometry	Ensure no keystoneing or lens shift is present on the image	1	Not Run					
		2.06	Functional	AVS 3.00	3.12.4.7 Projector settings	Ensure no audio is heard from projector (i.e. Projector is muted)	1	Not Run					
		2.07	Functional	AVS 3.00	3.12.4.7 Projector settings	Ensure projector blanks on system shutdown	2	Not Run					
		2.08	Functional	AVS 3.00	3.14.4 Matrix, Presentation Switchers and IP Decoders	Verify HDCP content is displayed from MAC and PC sources	1	Not Run					
3	Monitor(s)	3.01	Functional		If Main Display	Verify all input sources are switched to and display the content from each source (as per room design)	1	Not Run					
		3.02	Functional		If Main Display	Ensure a black background is set when there is no input. If there is no input getting to the Encoder, a black screen will be displayed. If there is no input getting to the Decoder, the Decoder splash screen will be displayed.	1	Not Run					
		3.03	Functional		If Main Display AND HITACHI Interactive	Check touchscreen interactivity	1	Not Run					
		3.04	Functional			Confirm content from all input sources is displayed on each monitor in line with the main LCD or Projector	1	Not Run					
		3.05	Functional	AVS 3.00	3.12.5.3 LCD Panel Settings	Ensure the on-screen display (OSD) messages are switched off (e.g. source display messages)	1	Not Run					
		3.06	Functional			Confirm Audio has been disabled (if supplementary display)	1	Not Run					
		3.07	Functional	AVS 3.00	3.12.5.3 LCD Panel Settings	Fans are set to "auto" and local controls are disabled (i.e. all buttons on the panels)	2	Not Run					
		3.08	Functional	AVS 3.00	3.12.5.3 LCD Panel Settings	Physical buttons have been locked/disabled	1	Not Run					
		3.09	Functional	AVS 3.00	3.12.6 Perceived Image Quality	Image quality on display is free from interference, distortion, noise, digital artefacts, brightness and contrast is optimised to room & content	1	Not Run					
		3.10	Functional	AVS 3.00	3.14.4 Matrix, Presentation Switchers and IP Decoders	Verify HDCP content is displayed from MAC and PC sources	1	Not Run					

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4	Encoder settings	4.01	Functional	CAV DG	3.5.4	Confirm Multicast Stream, Network setup and Stream settings are as per RMIT supplied values	1	Not Run					
		4.02	Functional	AVS 3.00	4.4	Check firmware is the latest authorised version - as per RMIT standards or RFQ	1	Not Run					
		4.03	Functional	CAV DG	3.5.4.2	Ensure the Scaler has been enabled	1	Not Run					
		4.04	Functional	CAV DG	3.5.4.3	Ensure the Output Mode resolution has been set to 720p	1	Not Run					
		4.05	Functional			Ensure the Allow CPC box at the bottom right hand corner of the encoder window has been selected	1	Not Run					
		4.06	Functional	CAV DG	3.5.4.8	Check the I-Frame Frequency is set to 20	1	Not Run					
		4.07	Functional	CAV DG	3.5.4.22	Ensure the password has been changed from Password to 1988	1	Not Run					
5	Decoder(s) settings	5.01	Functional	CAV DG	3.5.5	Confirm Video and Audio Stream, and Network setup are as per RMIT supplied values	1	Not Run					
		5.02	Functional	AVS 3.00	4.4	Check firmware is the latest authorised version - as per RMIT standards or RFQ	1	Not Run					
		5.03	Functional	CAV DG	3.5.5.3	Ensure Scaler is On	1	Not Run					
		5.04	Functional	CAV DG	3.5.5.4	Ensure the Output Mode resolution has been set to 720p	1	Not Run					
		5.05	Functional	CAV DG	3.5.5.19	Ensure the password has been changed from Password to 1988	1	Not Run					
		5.06	Functional	CAV DG	3.5.5.23	Ensure LocalPlay is set up as per Guidelines	1	Not Run					
6	Crestron Switch settings	6.01	Functional	CAV DG	3.8.2	Ensure the Host name has been set as per the room and device designation	1	Not Run					
		6.02	Functional	CAV DG	3.8.3	Ensure the Password has been changed from admin to 1988	1	Not Run					
		6.03	Functional	CAV DG	3.8.4	Ensure EDIDs for all Inputs have been set as per the Deployment Guide	1	Not Run					
		6.04	Functional	CAV DG	3.8.4	Ensure all inputs have been renamed as per the Deployment Guide	1	Not Run					
		6.05	Functional	CAV DG	3.8.5	Ensure the front panel buttons are disabled	1	Not Run					
7	Extron Scaler settings	7.01	Functional	CAV DG	3.9	Ensure EDIDs are set, and the Front Panel has been locked as per the Deployment Guide	1	Not Run					
8	Document Camera (USB and HDMI)	8.01	Functional	AVS 3.00	3.12.6 Perceived Image Quality	Image is free from interference, distortion, noise, digital artefacts, brightness and contrast is optimised to room & content. Resolution is set as high as possible whilst still allowing Live Annotation (1080p)	2	Not Run					
		8.02	Functional	AVS 3.00	3.14.7 Document Camera	Ensure the software has been deployed to the resident PC	2	Not Run					
		8.03	Functional	AVS 3.00	3.14.7 Document Camera	Ensure the document camera can be controlled via the Arcsoft desktop application (USB) and the device's physical buttons. This includes the light, zoom, focus and still capture	2	Not Run					
		8.04	Functional	AVS 3.00	3.14.7 Document Camera	Ensure the sleep mode has been disabled in the menu pages (USB model only)	2	Not Run					
9	IP Camera Username: root Password: password or password: 1988	9.01	Functional			Confirm image quality is free from interference, distortion, noise and digital artefacts.	1	Not Run					
		9.02	Functional	CAV DG	3.7.3	Ensure the username has been changed to "LectureCapture" and password has been changed to "1988"	2	Not Run					
		9.03	Functional	CAV DG	3.7.11	Ensure the default preset is configured to Room View as per the Deployment Guide	2	Not Run					
		9.04	Functional	CAV DG	3.7.11	Ensure the second preset is configured to Desk View as per the Deployment Guide	2	Not Run					
10	Audio Output	10.01	Functional	AVS 3.00	5.2 Room Classification	Ensure FOH speakers reproduce source audio only	1	Not Run					
		10.02	Functional	AVS 3.00	5.2 Room Classification	Ensure in-ceiling speakers reproduce speech audio only (if applicable)	1	Not Run					
11	Laptop Source	11.01	Functional	AVS 3.00	5.2 Room Classification	Audio - Ensure the laptop audio source is heard clearly through all FOH speakers	1	Not Run					
		11.02	Functional	AVS 3.00	3.12.6 Perceived Image Quality	HDMI Quality - Ensure the image is free from interference, distortion, noise, digital artefacts, brightness and contrast is optimised to room & content	1	Not Run					
		11.03	Functional			Verify that the signal by a source typical of what will be used in normal operation is routed and accurately displayed on all displays within the system	1	Not Run					
		11.04	Functional	AVS 3.00	3.14.4 Matrix, Presentation Switchers and IP Decoders	Verify HDCP content is displayed from MAC and PC sources	1	Not Run					
12	Ceiling and Lapel Microphones	12.01	Functional	AVS 3.00	3.13.3 Quality 3.13.5 System hum & interference	Audio Quality - IF ceiling speakers have been installed for speech reinforcement - Ensure the default level is audible from all speakers, free from noise, hum or distortion, and the coverage variance is within ± 5 dB across the listening plan and meets the requirements as specified in RMIT AV Standards and ANSI/INFOCOMM 1M-2009	1	Not Run					
		12.02	Functional			When the room system is OFF, ensure that the ceiling mic only can be heard through the Hearing Augmentation system.	1	Not Run					
		12.03	Functional			When the room system is ON, with NO MUTE, ensure that all source and mic audio can be heard through the Hearing Augmentation system.	1	Not Run					

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		12.04	Functional			When the room system is ON, with MIC MUTE, ensure that the source audio only can be heard through the Hearing Augmentation system	1	Not Run					
		12.05	Functional			When the room system is ON, with SOURCE MUTE, ensure that mic only audio can be heard through the Hearing Augmentation system.	1	Not Run					
		12.06	Functional			When the room system is ON, with MIC and SOURCE MUTE, ensure no audio can be heard through the Hearing Augmentation system.	1	Not Run					
13	Room Motion Detectors	13.01	Functional		Source Code	Ensure movement is registered on Touch Panel (Tech Pages) and the timeout is set to 180 minutes	1	Not Run					
		13.02	Functional		Source Code	Ensure any movement in the room resets the countdown	1	Not Run					
14	Room Computer	14.01	Functional		ANSI/INFOCOMM 1M-2009	Audio Quality - Ensure the default level is audible from all speakers, free from noise, no hum or distortion and meets the requirements as specified in RMIT AV Standards and ANSI/INFOCOMM 1M-2009	1	Not Run					
		14.02	Functional	AVS 3.00	3.12.6 Perceived Image Quality	HDMI Quality – Ensure the image is free from interference, distortion, noise, digital artefacts, brightness and contrast is optimised to room & content	1	Not Run					
		14.03	Functional	AVS 3.00	3.15 GUI Source Code	Ensure the room PC button functionality working on Touch Panel	1	Not Run					
		14.04	Functional	AVS 3.00	3.14.4 Matrix, Presentation Switchers and IP Decoders	Verify HDCP content is displayed from MAC and PC sources	1	Not Run					
15	Hearing Augmentation	15.01	Functional		Building Code Aust.	Verify audio from all input sources meet the BCA standard	1	Not Run					
		15.02	Functional	AVS 3.00	3.13.6 - Hearing Augmentation	Ensure the Ceiling Mic is transmitted through the Infra Red transmitter at acceptable levels.	1	Not Run					
		15.03	Functional	AVS 3.00	3.13.6 - Hearing Augmentation	Ensure the Lapel Mic is transmitted through the Infra Red transmitter at acceptable levels.	1	Not Run					
		15.04	Functional			If no Infra Red transmitter is installed, verify audio is present at the transmitter connection plate. Check the level being output to the connection plate is between 500mV and 775mV	1	Not Run					
		15.05	Functional	AVS 3.00	3.13.6.2 Infra-Red System	Ensure location of Infra Red transmitter connection plate is such that when a transmitter is installed in the future, there is a clear unobstructed line of sight to room users to current DDA regulations The signal type feeding the IR plate is to be Mono Balanced Line Level, the signal -10dB out of the DSP or mixer (50mV – 3V).	1	Not Run					
16	General Physical	16.01	Physical	AVS 3.00	3.11.11 Labelling Scheme	Verify labelling is applied to all cables and interfaces correctly and straight	2	Not Run					
		16.02	Physical	AVS 3.00	3.4.9 Asset Register and labelling	Asset tagging has been applied as per RMIT guidelines	2	Not Run					
		16.03	Physical	AVS 3.00	3.9.12.4 Looming/Lacing	Ensure all cables are loomed neatly and securely cable tied or fastened to relieve any strain	2	Not Run					
		16.04	Physical	AVS 3.00	3.10.2 Power Cable Test & Tagging	All power cables supplied have been tested and tagged to the AS3760 standard	1	Not Run					
		16.05	Physical	AVS 3.00	3.11.6 Fly Leads	Fly leads to be secured by nylon P-clips	1	Not Run					
		16.06	Physical	AVS 3.00	3.11.6 Fly Leads	HDMI Fly lead provided for Laptop Loom	2	Not Run					
		16.07	Physical	AVS 3.00	3.14.9 Connection Plates	Controllers and Connection Plates are level, fixed securely and engraved correctly	2	Not Run					
		16.08	Physical			No finger marks on displays, reflective surfaces or other equipment	2	Not Run					
		16.09	Physical	AVS 3.00	3.5 locks	Padlocks are installed on the projector cage, and Kensington locks installed on all AV equipment where required	1	Not Run					
		16.10	Physical	AVS 3.00	3.5.3 Split Pin	LCD Panels are secured on a mounting bracket with a 5mm diameter split pin or equivalent deterrant	1	Not Run					
		16.11	Physical		Equipment install manual for projector	Projector security nuts are sheared (top & bottom)	1	Not Run					
		16.12	Physical	AVS 3.00	3.5.2 Kensington Locks	Ensure USB Doc Cam is secured with Kensington lock and passcode is 1988	1	Not Run					
		16.13	Physical			Ensure all projector bracket connections have been securely tightened	1	Not Run					
		16.14	Physical	AVS 3.00	3.9.10 Tamper/Theft Protection	Revo Labs Base station is secured with industrial-strength, foam-backed, double-sided tape	2	Not Run					
		16.15	Physical			Confirm the installation is as per Design Brief ie equipment used, location of touchscreen and wallpanels)	1	Not Run					
17	Networks	17.01	Physical	AVS 3.00	4.7.1 TCP/IP Addressing	Ensure all network devices are set to DHCP	1	Not Run					
		17.02	Functional			Confirm all SVSi devices have been configured correctly	1	Not Run					
		17.03	Functional			Confirm all QSC devices have been configured correctly	1	Not Run					
		17.04	Functional			Log onto a desktop, (confirms that desktop can reach authentication services)	1	Not Run					
		17.05	Functional			Check operation of VoIP phone	2	Not Run					

Sign Off

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Date		Position			Company			Name			Signature		
		AV Design Consultant											
		AV Integrator											