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MASTER/COMMUNAL ANTENNA TV SYSTEM

SURVEY / ASSESSMENT FORM

DATE OF INSPECTION:	
BUILDING ADDRESS:	
BUILDING MANAGEMENT CONTACT DETAILS:	
DESCRIPTION OF BUILDING	
Number of dwelling units, apartments, townhouses	
Number of floors	
Approximate date of construction	
Does the building have any heritage restrictions?	
Public (housing development), private, investment, owner/ occupiers	

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TYPE OF DISTRIBUTION SYSTEM	
Does the existing CATV/MATV system, if installed since 2000, appear to generally comply with AS/NZS 1367-2000?	
If yes, is Section 2 Safety adhered to as to safety earthing and AC isolation of outlets?	
Does the building have a lightning protection system installed?	
Are there any other TV services in the system.If so,what services and what freq and LCN	
Does the building have a subscription TV service? If so, how is the service received (cable, satellite) and who is the provider?	
If via satellite, does the SMATV system combine terrestrial FTA services?	
5 Wire, Multistacker, Single wire? Max freq that is used in System	
Are any other TV channels or services required? What?	

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TYPE OF ANTENNA
Provide the details for each existing antenna:

Transmitter Site			
Antenna	1	2 (if applicable)	3 (if applicable)
Description of type (UHF, VHF, Wideband, Single band)			
Polarity			
Channel coverage			
Likely age of antenna			

TYPE OF HEADEND	
Mast Head amplifier (if used) or Preamplifier (if used)	
Type or Satellite or Wide Band Amplifier if applic	
Fixed channelised amplifiers with equalizers	
Frequency agile channelised amplifier	
Fixed channel converters	
Frequency agile channelised converters	
Launch amplifier (multiband or wideband)	
Final active device specified maximum output level, if available	
Any Modulated TV Channels?If so what Freq & LCN	

FREE-TO-AIR DISTRIBUTION SYSTEM COMPONENTS	
Type of cable used for trunk, branch, spur (RG 59, RG6, RG11, air spaced) or other (Hardline, RBS, RG7)	
Shielding employed in cable above (single, dual, tri, quad) if determinable	
Style of splitters and taps (screw and saddle, F Type)	
Type of cable used to outlet (RG59, RG6, RG11, air spaced)	
Shielding employed in cable above (single, dual, tri, quad) if determinable	
Type of connection on rear of outlets (screw and saddle, PAL, F, etc) Crimp	
Type of Wall outlet (PAL, F Type, etc)	
Type of equalisers (if any)	
Type of line amplifiers without equalizers	
Type line amplifiers with equalizers (if any)	
Specified maximum output level of line amplifiers, if available	
Is the system line powered? If so AC or DC in line ? Voltage?	

DISTRIBUTION TOPOGRAPHY	
Type – loop through, tree and branch or star system; mixture, unknown, etc.	
Location and accessibility of distribution components (in riser, external housing, ceiling, false ceiling cavity, unknown, etc.)	
Distribution cabling – internal or external to building	
Distribution cabling: if internal (in conduit/duct, cable tray), if external (conduit/duct, etc.)	
Cable to outlet – internal or external to building (completely or partly)	
Cable to outlet totally in conduit/duct, in conduit and ceiling cavities, wall cavity and ceiling cavities, rendered into walls and/or slab, unknown, etc.	

SIGNAL LEVELS OF RECEIVED DIGITAL CHANNELS	
Input to headend or preamplifier (if used)	
Output from headend LaunchLevel	
At outlet/s (at most distant extents of system, if possible). Required absolute minimum 55dBμV, preferred 60dBμV or greater; maximum 75dBμV.	
Other areas as may be applicable for the system installed (input and output of Line Amps	
Final active device specified maximum output level, if available	
Final active device specified maximum output level, if available	

AT OUTLETS, MODULATION ERROR RATIO (MER) AND MARGIN FOR DIGITAL CHANNELS	
If any terrestrial digital channels are available at outlets, what is their margin above Quasi Error Free point (minimum required greater than 9dB, typically equal or greater than 15dB) Depending on the digital meter available, provide at least one of the following measurements: • Across all terrestrial digital channels, what value of MER is achieved? Required MER > 25dB. • Across all terrestrial digital channels, what value of margin to failure is achieved? Margin to failure measured at outlets on all digital channels shall be greater than 9dB (typically >15dB with preferred >20dB) relative to Quasi Error Free. **Note re method to use to determine margin to failure:** Add attenuation in 3dB or larger steps until Quasi Error Free is reached or almost exceeded. If exceeded by next 3dB attenuation added, previous total is margin	

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LEVEL OF UPGRADE OR REPLACEMENT REQUIRED FOR THE RETICULATION OF FTA DIGITAL TV RF CHANNELS TO OUTLETS AT THE REQUIRED LEVELS OF SIGNAL QUALITY	
Minor upgrade (replace antenna/minor headend adjustments)	
Major upgrade (extend or replace most or all of headend)	
Total upgrade of the headend and distribution system (complete replacement)	
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OTHER COMMENTS, INCLUDING FIRST STEPS TO IMPROVE RECEPTION DIFFICULTIES

SIGNATURE OF TECHNICIAN UNDERTAKING SURVEY …….

NAME ……..……

DATE …….