View related documents on the AusHFG website

Communications Room

Room Code	COMM
Briefed Area	15.00 m²
Ceiling Height	2.7 m
Occupancy	1-2 persons intermittently
Hours of Operation	24 hours

Description

A secure room for engineering services to accommodate racks, backbone cabling and interface control panels for information and communication systems. Systems may include master antenna television (MATV), internet protocol television (IPTV), nurse call, security, telecommunications, building management system (BMS) and Fire/EWIS systems.

Electrical

- PROTECTION: body protected ☐
- PROTECTION: cardiac protected ☐

Lighting

- LIGHTING: general ☑
- LIGHTING: colour corrected ☐
- LIGHTING: dimmable ☐
- LIGHTING: indirect ☐

Nurse Call and Duress

- NURSE CALL SYSTEM: buttons / handset ☐

HVAC

- AIRCONDITIONING: general ☑
- AIRCONDITIONING: HEPA filtered ☐
- AIRCONDITIONING: positive pressure ☐
- AIRCONDITIONING: negative pressure ☐
- VENTILATION: exhaust ☐
- VENTILATION: natural ☐

Additional Considerations

- The area shown is indicative; the size of the Communications Room will vary according to engineering consultant advice based on systems to be accommodated.
- Head end units for security, nurse call, BMS, TMV, IPTV/MATV to be accommodated as required.
- Equipment located in this room will require uninterruptible power fed from the essential supply (generator).
- Dedicated air conditioning that is monitored by the Building Management System (BMS) is required
- Provide adequate lighting to ensure visibility to both front and rear of racks.
- The configuration of power and data (i.e., wall mounted or ceiling mounted services) to supply the racks is to be determine base on the room layout and equipment selected.
- The Communication Room must be located such that it is not susceptible to possible water damage or excessive electromagnetic interference. Water or gas pipes must not pass through a Communication Room.
- Where a Distributed Antenna System (DAS) for in-building mobile reception is provided, the telco carrier base station equipment is to be located in the Communications Room. Refer to telco for spatial requirements to determine sizing of the Communications Room. A DAS shall conform to the most recent edition of the Mobile Carriers Forum Design Specification for Distributed Antenna Systems.

Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-104.01	DOOR: hinged, 1 1/2 leaves, 1400 clear opening, solid	[DWSC-021]
AFDPR-006.01	*DOOR PROTECTION: plate, to 900H*	*[DWPR-005] to room side*
AFDPR-006.01	*DOOR PROTECTION: plate, to 900H*	*[DWPR-005] to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area; to be coordinated with corridor wall protection*
ITSE-261	*READER: security, access control, proximity card, wall mounted*	*[ITSE-038]*

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Finishes

CODE	DESCRIPTION	COMMENT
FLVY-103	FLOOR FINISH: vinyl, seamless, standard slip resistance, static dissipative	[FLVY-001]
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	[FLSK-010]
WLFI-001	WALL FINISH: paint	[WLWA-004]
CLTI-021.02	CEILING: drop-in tiles, prefinished, 600 x 1200	[CLTI-008]
CLCN-041	CORNICE: wall trim fixing, prefinished	[CLCN-009]

Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FQGE-162	STOOL: step, safety	3	1	[FQGE-095]
ITNE-076	TELEPHONE: handset, wall mounted	2	1	[ITNE-052]

Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-201.01	GPO: double, wall mounted, horizontal	1	3	[ELGP-208] to suit project requirements
ELGP-261	GPO: double, UPS, wall mounted	1	4	[ELGP-235] to suit project requirements, power may be wall mounted or delivered via ceiling mounted umbilicals for access depending on server selection.
ELSW-001	SWITCH: light	1	1	[ELBO-015]
ITBU-151	HEAD END: IPTV system	1	1	[ITBU-015] optional, to suit project requirements
ITBU-171	HEAD END: MATV system	1	1	[ITBU-016] optional, to suit project requirements
ITIN-016	OUTLET: data, single RJ45, wall mounted	1	1	[ITIN-016] to suit project requirements
ITIN-026	OUTLET: data, double RJ45, wall mounted	1	2	[ITIN-026] to suit project requirements
ITIN-201	ICT RACK: server equipment, floor standing	1	1	[ITNE-011] to suit project requirements
ITIN-211	ICT RACK: network communications equipment, floor standing	1	1	[ITNE-005] to suit project requirements
ITIN-211	ICT RACK: network communications equipment, floor standing	1	1	[ITIN-123] to suit project requirements
ITIN-221	ICT RACK: main distribution frame (MDF)	1	1	[ITIN-139] to suit project requirements
ITIN-231	ICT RACK: intermediate distribution frame (IDF)	1	1	[ITIN-128] optional, to suit project requirements
ITSE-054	CONTROL PANEL: security, duress	1	1	[ITSE-020] optional, to suit project requirements
ITSE-221	SENSOR: safety, motion detection, for staff alert, wall mounted	1	1	[ITSE-046]

For guidance on how to use the Room Data Sheet, please visit the AusHFG website.

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