2   Engineering Guidelines

The Local Health Authority will review the engineering design in accordance with the following list of acceptable guidelines

	Standards and Guidelines for the MEP Engineering Discipline
1	AIA2006 – Design Guidelines for Design and Construction of Health Care Facilities
2	ASHRAE (American Society of Heating, refrigerating and Air-conditioning Engineers) - Inc. HVAC Design Handbook
3	SMACNA (Sheet Metal and Air Conditioning Contractors' National Association) - Design Handbook
4	DW 144 - Specification for Sheet Metal Ductwork
5	DW 171 - Standard for Kitchen Ventilation Systems
6	ARI (Air-Conditioning & Refrigeration Institute)
7	CIBSE (Chartered Institution of Building Services Engineers)
8	IOP (Institute of Plumbing) - Plumbing Engineering Services Design Guide
9	ASPE (American Society of Plumbing Engineers) Design handbook
10	IPC (International Plumbing Code)
11	AWWA (American Water Works Association)
12	ASTM (American Society for Testing and Materials)
13	NFPA (National Fire Protection Association)
14	UL (Underwriters' Laboratories, Inc.)
15	HTM 02 (Health Technical Memorandum 02) Medical Gas Design Guide – Part 1 and 2
16	RSB (Regulation and Supervision Bureau)
17	Local Plumbing Code
18	Local Fire Code
19	Water & Electricity Authority Guidelines
20	Sewerage Services Authority Guidelines
21	Wiring Regulations for Electrical Installations (IEE 17th Edition), published by the Institution of Engineering & Technology (BS 7671)
22	CIBSE Design Guides A, D, E, F, H, K & L
23	BS 5266 & NFPA 70 - Emergency Lighting
24	BS 5839(p8)- Voice Alarm System in Buildings
25	BSEN 60849 - Sound Systems For emergency purposes
26	BS EN62305:2006 - Protection of structures Against Lightning

Standards and Guidelines for the MEP Engineering Discipline	
27	BS 7430 and BS7671 – Earthing
28	NFPA 72 – National fire alarm code
29	NFPA 101 – Life safety code
30	Australasian Health Facility Guidelines Part E- Engineering including TS11> www.healthfacilityguidelines.com.au

In situations where compliance with the Standards and Guidelines has not been achieved or is impractical, the non-compliance is to be highlighted to the local Health Authority. Reasons for such non-compliance and an alternative solution are to be put forward for consideration. The local Health Authority (at its sole discretion), may accept alternative solutions or compliance with other internationally recognised Standards and Guidelines offered by the applicant.

iHFG

The International Health Facility Guidelines recommends the use of <u>HFBS "Health Facility Briefing System"</u> to edit all room data sheet information for your project.

HFBS provides edit access to all iHFG standard rooms, and departments, and more than 100 custom report templates.

HFBS
Health Facility Briefing System

Briefing Module

The Health Facility Briefing System (HFBS) has numerous modules available via annual subscription. It suits healthcare Architects, Medical Planners, Equipment Planners Project Managers and Health Authorities.

Use the HFBS Briefing Module to quickly drag in health facility departments or pre-configured room templates from the iHFG standard, edit the room features such as finishes, furniture, fittings, fixtures, medical equipment, engineering services. The system can print or download as PDF more than 100 custom reports including room data sheets, schedules, and more…

To learn more about the HFBS web-based Healthcare Briefing and Design Software and to obtain editable versions of the "Standard Components" including Room Data Sheets (RDS) and Room Layout Sheets (RLS) offered on the iHFG website, signup for HFBS using the link below.

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✓ iHFG Room Data Sheets and Departments are instantly editable in the HFBS software available online.

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