Credit number	Reference in BREEAM manual	Issues to be covered by the local best practice standard/guide/tool	European Standard reference	Local standard/tool reference
	Commissioning code for Heating systems	Pre-commissioning checks (e.g. state of the system, water tightness and pressure test, system flushing and cleaning, system filling and venting, frost precautions, mechanical and electrical checks) Setting to work (e.g. initial run) Balancing water flow rates and tolerances Adjusting controls (actuating units, transmitters, sequence control and plant operation)	CEN EN 14336:2004 Heating systems in buildings. Installation and commissioning of water based heating systems	All three following documents must be used to demonstrate compliance: - Police «Dommages - ouvrages» Contrôle technique de type «A» Prestation «PV» : récolement des PV d'essais de fonctionnement des installations et avis sur ces PV; Document Coprec; Cahier Spécial Le Moniteur N° 4954 du 1998-11-06. Essais COPREC : CH : CHAUFFAGE - Guide MAP n° 7 : Mise au point des installations hydrauliques - COSTIC, 1994
		Reporting and documentation (e.g. proformas, completion certificate) Design for commissionability requirements (clear schematics in line with specifications, adequate pipework system, flow measurement and regulating devices etc.)		- Guide MAP n°8: Mise au Point des installations aérauliques - COSTIC, AITOUT information documents must de vaseu to demonstrate Compitance. - Prolice «Dommages - ouvrages» Contrôle technique de type «A» Prestation «PV»: récolement des PV d'essais de fonctionnement des installations et avis sur ces PV; Document Coprec; Cahier Spécial Le Moniteur N° 4954 du 1998-11-06. Essais COPREC: RA: Réseau d'alimentation en eau; PB: Plomberie Sanitaire
		Pre-commissioning (e.g. state of the system, filling and venting, mechanical and electrical checks)		
	Commissioning code for Water distribution systems	Setting pumps to work (e.g pressurisation sets, initial run)		- Guide MAP n°7: Mise au point des installations hydrauliques - COSTIC, 1994
		Balancing and regulating water flow rates Site test instruments		 Guide réseaux d'eau destinée à la consommation humaine à l'intérieur des batiments Partie 1- Guide technique de conception et de mise en œuvre, CSTB, 2003
		Reporting and documentation (e.g. proformas, completion certificate) Design for commissionability requirements (clear schematics in line with specifications,		- Guide réseaux d'eau destinée à la consommation humaine à l'intérieur des hâtiments Partie 2 - Guide technique de maintenance. CSTR 2003. Both following documents must be used to demonstrate compliance:
	Commissioning code for Lighting systems	electrical safety etc.) Pre-commissioning (e.g. state of the system, mechanical and electrical checks) Illuminance levels of internal, emergency and external lighting		 Police «Dommages - ouvrages» Contrôle technique de type «A» Prestation «PV» : récolement des PV d'essais de fonctionnement des installations et avis sur ces PV; Document Coprec; Cahier Spécial Le Moniteur N° 4954 du 1998-11-06. Essais COPREC : EL : Installations électriques NF EN 12464:2004-1 "Light and lighting – Lighting of work places – Part 1: Indoor work places". Section 6: Mode opératoire des contrôles Both following documents must be used to demonstrate compliance:
		Lighting controls (e.g. daylight and occupancy sensors, override controls, end-user operated systems, BMS)		
		Reporting and documentation (e.g. proformas, completion certificate) Pre-commissioning (e.g. schematics in line with specifications, state of the system, air		
Man 1	Commissioning code for Ventilation systems	regulating devices, fan and electrical checks) Setting to work (e.g test run, adjustment of controls and components) Functional measurements (e.g. regulation of air flow, variable air volume systems, pressure regimes) Measuring methods and measuring devices (e.g. flow rates and tolerances) Reporting and documentation (e.g. proformas, completion certificate)	CEN EN 12599 Ventilation for buildings Test procedures and measuring methods for handing over installed ventilation and air conditioning systems.	 Police «Dommages - ouvrages» Contrôle technique de type «A» Prestation «PV» : récolement des PV d'essais de fonctionnement des installations et avis sur ces PV; Document Coprec; Cahier Spécial Le Moniteur N° 4954 du 1998-11-06. Essais COPREC : CA : Conditionnement d'Air; VM : Ventilation Mécanique Guide MAP n° 8 : Mise au Point des installations aérauliques - COSTIC,
	Commissioning code for Refrigeration systems	Design for commissionability requirements (clear schematics in line with specifications, system design, tolerances etc.) Pre-commissioning (e.g. state of the system, mechanical and electrical checks) Combined pressure and leak testing (methods and procedures) Evacuation and dehydration methods Setting to work and adjusting (e.g. system checks, start-up, shut-down, running-in) Test apparatus and instruments	EN 378, part2: "Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation"	All times following documents must be used to demonstrate compliance: - Police «Dommages - ouvrages» Contrôle technique de type «A» Prestation «PV» : récolement des PV d'essais de fonctionnement des installations et avis sur ces PV; Document Coprec; Cahier Spécial Le Moniteur N° 4954 du 1998-11-06. Essais COPREC : CA : Conditionnement d'Air; VM : Ventilation Mécanique - Guide MAP n° 7 : Mise au point des installations hydrauliques - COSTIC, 1994
	Commissioning code for Automatic controls	Test apparatus and instruments Design for commissionability requirements (e.g. control system specification details, sensors, control valves, access etc.) Pre-commissioning (e.g. control application software, control panels, wiring, field control devices etc.) Control strategy checking (e.g. time schedules, control loops, sequencing, start-up and shut-down) Checking procedures for basic control functions (e.g. optimiser, compensation, control of natural ventilation) Lighting controls (daylight, occupancy sensors) Occupant interfaces Integrated systems Security systems Reporting and documentation (e.g. proformas, O&M manual, completion certificate) Sitting and installing the equipment	CLC/TR 50090-9-2:2007 CLC/TC 205 Home and Building Electronic Systems (HBES) Part 9-2: Installation requirements - Inspection and testing of HBES installation CEN EN 50491 General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)	- Guide MAP n°8 · Mise au Point des installations aérauliques - COSTIC Guide MAP n°9 : Mise au point de la régulation et de la gestion technique des bâtiments - COSTIC, 1997
	Commissioning code for	Pipework Strength and leak testing	"Model Building Specification for Design, Installation, and Commissioning of Insulated Envelopes and Insulated Floors for	

	Commissioning code for	Evacuating systems	CONTINUESTONING OF INSUIACED ETIVETOPES AND INSUIACED FLOOIS TO	
	Cold storage	Controls and safety devices	Temperature Controlled and Ambient Environments", International	
		Suitable detail recording	Association for Cold Storage construction (June 2003)	
		Typical cooling programme		
		Detailed design guidance on the main daylighting issues:		
		Siting and massing: building form, positioning and layout		
		Window and rooflight size, shape and position		
		Window components		
		Daylight redirecting systems		
	National best practice	Integration of daylight and electric light		
Hea 1	daylighting guide	How to establish design priorities in weighing sunlight in building versus energy		
		performance.		
		Daylight factor calculations:		
		• CIE skies		
		Manual calculations		
		Computer methods		
	BRE IP 23/93	Daylight factor measurement under real skies		
		Models and artificial skies		
		Mimimum recommended levels of illumination for the following function areas where		
		they are present in the building assessed;		
		Traffic zones and general areas		NE EN 40404-0004 #Links and Enkilone Links and Country in En
	National best practice	Industrial activities and crafts		NF EN 12464:2004 "Light and lighting – Lighting of work places – Part 1:
	lighting guides – internal	Offices	CEN EN 12464-1 Light and lighting - Lighting of workspaces, 2002	Indoor work places". NF X 35-103 AFE : recommendations relatives a l'éclairage intérieur des
	lighting	Retail premises		lieux de travail.
		Places of public assembly Educational premises		ileux de travail.
		Educational premises Healthcare premises		
		Transportational areas		
		Guidance on office lighting design with regard to the reduction of glare, in particular:		
	National best practice	Recommendations for direct lighting, ceiling illuminance, and average wall		NE EN 10404-0004 % into and limbing a limbing of conductors. Don't do
	lighting guides – potential for glare limitation	illuminance.		NF EN 12464:2004 "Light and lighting – Lighting of work places – Part 1: Indoor work places".
		Limits to the luminance of the luminaires, to avoid screen reflections		
Uee 5		Unified Glare Rating Limit (URG) in accordance with activity area, task type		
Hea 5		and type of interior		
		Mimimum recommended levels of illumination for the following outdoor areas where		
		they are present in the assessment;		NF EN 12464:2008 "Light and lighting – Lighting of work places – Part 2 Outdoor work places".
		General circulation areas		
		Building sites Canals, locks and harbours		
		Carrais, locks and narbours Farms		
	National boot practice	Fuel filling stations		
	National best practice lighting guides – external lighting	Industrial sites and storage areas		
		Parking areas		
		Power, electricity, gas and heat plants		
		Railways and tramways		
		Saw mills		
		Shipyards and docks		
		Water and sewage plants		
		Recommended levels of illumination for safety and security depending on risk level		
		.,	Table A 11 of CEN EN 13779:2007 – Ventilation for non-residential	
Hea 8	National best practice	Rate of fresh air provided per person.	buildings – Performance requirements for ventilation and room-	NF EN 13779: "Ventilation for non-residential buildings – Performance
11000	ventilation standards	Trace of from all provided per person.	conditioning systems.	requirements for ventilation and room conditioning systems"
		Internal comfort criteria, including recommended minimum and maximum room	Annex A of EN 15251:2007 Energy performance of buildings – Criteria	
Hea 10	National best practice guides	temperatures in winter and in summer for naturally and mechanically ventilated	for the indeer environment including thermal indeer or quality light	NF EN 15251:2007 Energy performance of buildings – Criteria for the indoor
1100 10	for thermal comfort levels	buildings.	and noise.	environment including thermal, indoor air quality, light and noise.
		Identification and assessment of the risk	4.10.100.	
		Preventing or controlling the risk from exposure to legionella bacteria		
		Record keeping		1
		Evaporative water cooling systems (cooling towers, evaporative condensers/coolers,		
		adiabatic cooling systems) – quidance on:		
		Design		
		Location		1
		Operation		1
				Guide réseaux d'eau destinée à la consommation humaine à l'intérieur des

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certain energy performance Indoor air quality (including ventilation rate) and thermal comfort					
Indoor air quality (including ventilation rate) and thermal comfort					
Solar exposure (heat gains and solar protection)					
			Solar exposure (heat gains and solar protection)		
Position, orientation of buildings and influence of neighbouring structures			Position, orientation of buildings and influence of neighbouring structures		
Heat gains from internal activities and occupants					
Impact of systems controls on the energy consumption of the building (including)					
energy consumption of controlling devices)					
• Inclusion of both primary and secondary space and water heating and cooling					
systems			systems		

		Space heating:		1
		Space neating: Demand, including heat losses and heat gains		
		 b) Generation and energy requirements of supporting technologies (including LZC, 		
		district heating, CHP or other technologies used in the building).		
		Space cooling:		
		a) Demand, including heat gains		
		b) Generation and energy requirements of supporting technologies (including LZC,		
		district heating, CHP or other technologies used in the building).		
		Evidence confirming the assessable building types and climates the software deals		
		with.		
		Evidence confirming Testing: • the software has been tested according to the BESTEST set or, alternatively, EN		
		15265.		
		the software has been tested according to ANSI/ASHRAE Standard 140-2004. Requirements for the infrared radiation sensing system		
		General thermographic test requirements	CEN EN 13187 Thermal performance of buildings, "Qualitative detection of thermal irregularities in building envelopes. Infrared	
Ene 6	National thermographic best	Test procedure		
Elle 6	practice standard	Evaluation of thermograms	method".	
		Thermographic report requirements	inetiod .	
Ene 7	ECA Energy Technology	Set of energy-saving eligibility criteria published and reviewed on an annual basis to		
	Product list	reflect best practice		
	Local standard defining "net	Gross internal floor area excluding all internal structural and party walls (but not		
Tra 3	lettable area / useable floor	partitioning or other non load-bearing walls within the tenancy area which are included		"Surface utile nette" as defined in the French building regulations.
	area"	in the area), ancillary areas for services, ancillary areas to main function areas and		
		circulation areas.		
	National best practice road	Minimum and average maintained illuminance levels for pedestrian pathways and cycle paths	CEN EN 12464 2 Lighting of work places. Bort 2: Outdoor work	NF EN 12464:2008 "Light and lighting – Lighting of work places – Part 2
Tra 4	lighting guide	Appearance and environmental aspects to be considered in the design (e.g colour	CEN EN 12464-2 Lighting of work places - Part 2: Outdoor work places, 2007	Outdoor work places".
	lighting galde	rendering)	piaces, 2007	Oddoor work places .
		PLEASE NOTE: the requirements are indicative of the initial type of information		
		that BRE Global will be looking at. If required BRE Global will request further		N/A
		information before a decision can be made. Due to the multitude of tools	N/A	
		available it was not possible to define further requirements in this table.		
		Evidence confirming the Environmental Indicators that are being used in the analysis.		
		Evidence attesting that the tool addresses the whole life cycle of the building, including		
Mat 1	Nationally recognised LCA tool	service life and disposal. Evidence confirming that the tool is based on LCA principles, as set out in the		
	1001	following International Standards:		
		ISO 14040 2006 Environmental Management -LCA- Principles & Framework		
		ISO 14044 2006 Environmental Management - LCA Requirements and guidelines		
		ISO 14025: 2006 Environmental labels and declarations — Type III environmental		
		declarations — Principles and procedures		
		 ISO 21930 2006 Building construction - Sustainability in building construction - 		
		Environmental declaration of building products		
				pollues.ecologie.gouv.fr/DocumentsTechniques.asp
LE2	Guidance on land	As per checklist A16	N/A	, , , , , , , , , , , , , , , , , , , ,
LLZ	decontamination			Traitabilité des sols pollués : Guide méthodologique pour la sélection des
				techniques et l'évaluation de leurs performances, ADEME
Pol 5	flooding			Flood zones are defined by the PPRI : Plan de Prévention des Risques
		Define flood risk		d'Inondation (In France, flood risk zoning is developed by local councils
			Α	based on 100-years return floods and rarely considered equivalent 1000-
		Develop flood maps		years return floods. This risk assessment is part of the local regulatory urban planning document)
	National meterological	Develop flood maps		planning document)
	institute	Figures for rainfall	N/A	Meteo France
		Definitions		
Pol 8	National best practice acoustics measurement guide	General principles of acoustic measurement	100 1000 1 0000 1 11 10 11	NEO OL OLO LOGO III. L.
		Measurement methods (equipment, external conditions (weather etc), frequency of		NFS 31-010: 1996: "caracterisation et mesurage des bruits de
		measurement etc)		l'environnement"
	-	Reporting		
			ı	