

Appendix 3

Add the following definitions to Vic A1.1:

Vic A1.1 Definitions

Conditioned space means a space within a building—

- (a) that is heated or cooled by the building’s *domestic services*; but
- (b) excludes a heater with a capacity of not more than 1.2 kW installed in a non-habitable room.

Domestic services means the basic engineering systems of a building that use energy or control the use of energy; and—

- (a) includes heating, air-conditioning, mechanical ventilation and hot water systems; but
- (b) excludes cooking facilities and portable appliances.

Envelope means the parts of a building’s *fabric* that separate artificially heated or cooled spaces from—

- (a) the exterior of the building; or
- (b) other spaces that are not artificially heated or cooled.

Fabric means the basic building structural elements and components of a building including the roof, ceilings, walls and floors.

Add the following Standards to Vic Table 1:

Vic Specification A1.3

STANDARDS ADOPTED BY REFERENCE

| Vic Table 1 SCHEDULE OF REFERENCED DOCUMENTS | | | |
|---|-----------|---|---------------|
| No. | Date | Title | BCA Clause(s) |
| NatHERS | 2001 | Nationwide House Energy Rating Scheme, CSIRO, Version 2.31 | Vic F6.6 |
| FirstRate | June 2001 | FirstRate house energy rating software, Sustainable Energy Authority Victoria | Vic F6.6 |

Substitute and amend Vic Part F6 provisions as follows:

Vic Part F6 ENERGY EFFICIENCY

OBJECTIVE

Vic FO6 The *Objective* of this Part is to reduce greenhouse gas emissions by efficiently using energy.

Application:

Vic FO6 only applies to a Class 2, Class 3 or Class 9c building or a Class 4 part of a building.

FUNCTIONAL STATEMENT

Vic FF6.1 A building, including its *domestic services*, is to be designed to be capable of efficiently using energy so as to reduce greenhouse gas emissions.

Application:

Vic FF6.1 only applies to a Class 2, Class 3 or Class 9c building or a Class 4 part of a building.

PERFORMANCE REQUIREMENT

Vic FP6.1 A building must have, to the degree necessary, a level of thermal performance to facilitate the efficient use of energy for artificial heating and cooling appropriate to—

- (a) the function and use of the building; and
- (b) the geographic location of the building; and
- (c) the internal environment; and
- (d) solar radiation being—
 - (i) utilised for heating; and
 - (ii) controlled to minimise energy for cooling;and
- (e) the sealing of the building *envelope* against air leakage; and

- (f) air movement to assist cooling; and
- (g) the effects of nearby permanent shading features such as topography, structures and buildings.

Application:

Vic FP6.1 only applies to a Class 2, Class 3 or Class 9c building or a Class 4 part of a building.

DEEMED-TO-SATISFY PROVISIONS

Vic F6.0 Deemed-to-Satisfy Provisions

Performance Requirement Vic FP6.1 is satisfied by complying with Vic F6.1 to Vic F6.6.

Vic F6.1 Application

The deemed-to-satisfy provisions of this Part apply to a building as follows—

- (a) Vic F6.2 to Vic F6.5 apply to a Class 3 and a Class 9c building and to a Class 4 part of a building; and
- (b) Vic F6.6 applies to a Class 2 building; and
- (c) Vic F6.3(a)(i) does not apply to—
 - (i) concrete panels, cavity brick, earth wall construction, ashlar stone or other masonry walls which have a thickness (excluding any cavity) of not less than 180 mm if the floor of the building is concrete or masonry in direct contact with the ground; or
 - (ii) windows, vents and other similar openings in walls, roofs and ceilings.

Vic F6.2 to Vic F6.5 No amendments proposed.

Vic F6.6 Energy rating

A Class 2 building must achieve a house energy rating of at least 5 Stars when assessed with—

- (a) the Sustainable Energy Authority Victoria's FirstRate house energy rating software by a person accredited in the use of that software, except as set out in (b); and

- (b) in a building where the total area of glazing is greater than 50 per cent of the *conditioned space floor area* or the glazing of any one orientation is greater than 25 per cent of the *conditioned space floor area*, the Nationwide House Energy Rating Scheme software (NatHERS) by a person accredited in the use of that software.

PART 1.4 STANDARDS ADOPTED BY REFERENCE

Add the following documents to Table 1.4.1:

| Table 1.4.1 SCHEDULE OF REFERENCED DOCUMENTS | | |
|---|-----------|---|
| No. | Date | Title |
| VICTORIAN REFERENCED DOCUMENTS | | |
| NatHERS | 2001 | Nationwide House Energy Rating Scheme, CSIRO, Version 2.31 |
| FirstRate | June 2001 | FirstRate house energy rating software, Sustainable Energy Authority Victoria |

PART 3.12 ENERGY EFFICIENCY

Add the following State variations in Part 3.12:

STATE AND TERRITORY VARIATIONS

See VIC 1 for additional requirements for energy efficiency.

Parts 3.12.1, 3.12.2, 3.12.3, 3.12.4 and 3.12.5 do not apply in Victoria.

3.12.0 Application of Part 3.12

STATE AND TERRITORY VARIATIONS

3.12.0(a) is replaced by the following clause in Victoria:

- (a) Compliance with VIC 1 satisfies *Performance Requirement P2.6.1* for the thermal performance of the building.

VICTORIA ADDITIONS

Replace VIC 1 as follows:

VIC 1 ENERGY EFFICIENCY

VIC 1.1 APPLICATION

The provisions of VIC 1 apply to—

- (a) a Class 1 building; and
- (b) a Class 10a building with a *conditioned space*.

VIC 1.2 ACCEPTABLE CONSTRUCTION PRACTICE

Vic 1.2.1 Energy rating

The building must achieve a house energy rating of at least 5 Stars when assessed with–

- (a) the Sustainable Energy Authority Victoria's FirstRate house energy rating software by a person accredited in the use of that software, except as set out in (b); and
- (b) in a building where the total area of glazing is greater than 50 per cent of the *conditioned space floor area* or the glazing of any one orientation is greater than 25 per cent of the *conditioned space floor area*, the Nationwide House Energy Rating Scheme software (NatHERS) by a person accredited in the use of that software.