

# Standards vs Internal Documents: Discussion

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BCTRAG Committee Meeting: 27<sup>th</sup> November 2019



## **Purpose of this discussion is to:**

- Highlight the issues
- Decide if any action is required
- Give direction for future decisions

## **Issue highlighted by:**

- Standards Development Programme
- Consideration of control of risk settings in Standards e.g. NZS 1170.0 building importance levels



# What sort of risk settings are currently in Standards?

**TABLE 3.3  
ANNUAL PROBABILITY OF EXCEEDANCE**

Design working life	Importance level	Annual probability of exceedance for ultimate limit states			Annual probability of exceedance for serviceability limit states	
		Wind	Snow	Earthquake	SLS1	SLS2 Importance level only
Construction equipment, e.g., props, scaffolding, braces and similar	2	1/100	1/50	1/100	1/25	—
Less than 6 months	1	1/25	1/25	1/25	—	—
	2	1/100	1/50	1/100	1/25	—
	3	1/250	1/100	1/250	1/25	—
	4	1/1000	1/250	1/1000	1/25	—
5 years	1	1/25	1/25	1/25	—	—
	2	1/250	1/50	1/250	1/25	—
	3	1/500	1/100	1/500	1/25	—
	4	1/1000	1/250	1/1000	1/25	1/250
25 years	1	1/50	1/25	1/50	—	—
	2	1/250	1/50	1/250	1/25	—

**TABLE 3.2  
IMPORTANCE LEVELS FOR BUILDING TYPES—NEW ZEALAND STRUCTURES**

Importance level	Comment	Examples
1	Structures presenting a low degree of hazard to life and other property	Structures with a total floor area of <30 m <sup>2</sup> Farm buildings, isolated structures, towers in rural situations Fences, masts, walls, in-ground swimming pools
2	Normal structures and structures not in other importance levels	Buildings not included in Importance Levels 1, 3 or 4 Single family dwellings Car parking buildings
3	Structures that as a whole may contain people in crowds or contents of high value to the community or pose risks to people in crowds	Buildings and facilities as follows: (a) Where more than 300 people can congregate in one area (b) Day care facilities with a capacity greater than 150 (c) Primary school or secondary school facilities with a capacity greater than 250



# What are the options?

	NZ Standard	MBIE Guidance	MBIE Developed AS/VM
<b>Process</b>	<ul style="list-style-type: none"> <li>• Anyone can commission</li> <li>• Voluntary Industry committee</li> <li>• ISO compliant development process</li> <li>• 1+ years to develop</li> </ul>	<ul style="list-style-type: none"> <li>• MBIE commissions</li> <li>• Paid experts + MBIE resources</li> <li>• Internal MBIE QA processes only</li> <li>• Weeks/months to develop</li> </ul>	<ul style="list-style-type: none"> <li>• MBIE commissions</li> <li>• Paid experts + MBIE resources</li> <li>• Internal MBIE QA processes only</li> <li>• Months/years to develop</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Technical</li> <li>e.g. applied research and data</li> </ul>	<ul style="list-style-type: none"> <li>• Policy</li> <li>e.g. risk setting, safety, performance</li> </ul>	<ul style="list-style-type: none"> <li>• Combine policy and technical issues.</li> </ul>
<b>Ownership</b>	<ul style="list-style-type: none"> <li>• Paid for by Industry</li> <li>• Decisions by consensus of Industry Committee</li> </ul>	<ul style="list-style-type: none"> <li>• Paid for by MBIE</li> <li>• Decisions by MBIE</li> </ul>	<ul style="list-style-type: none"> <li>• Paid for by MBIE</li> <li>• Decisions by MBIE</li> </ul>



# What are the options?

## Standards NZ Options...

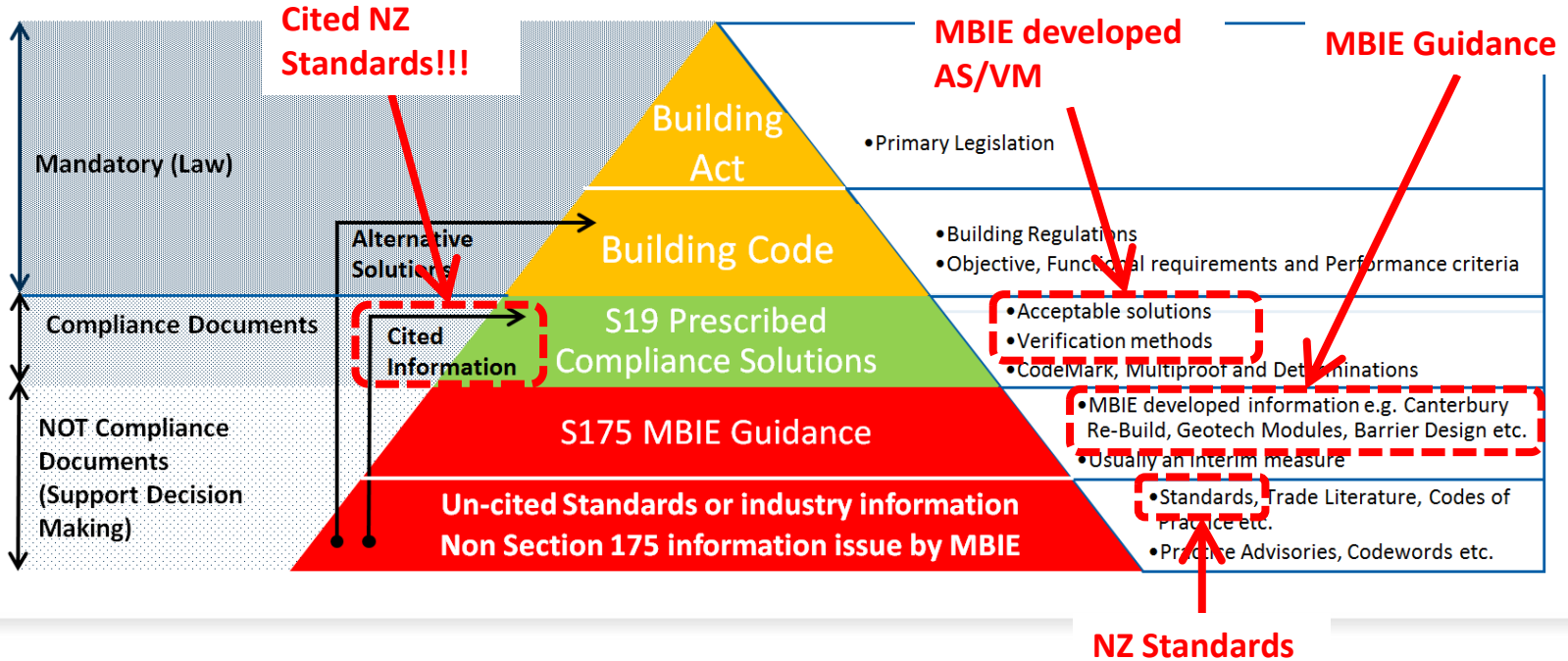
- Technical Specification
  - Handbook
  - Publicly available specification
  - Technical report
- } → *Drafting not via committee*  
→ *Don't require full consensus*  
→ *Industry led*  
→ *Faster turnaround*  
→ *Less robust/independent than Standard*

## Other document options...

- External documents e.g. BRANZ reports, overseas Standards, Codes of Practice, ISO Standards



# How do the options relate to compliance?





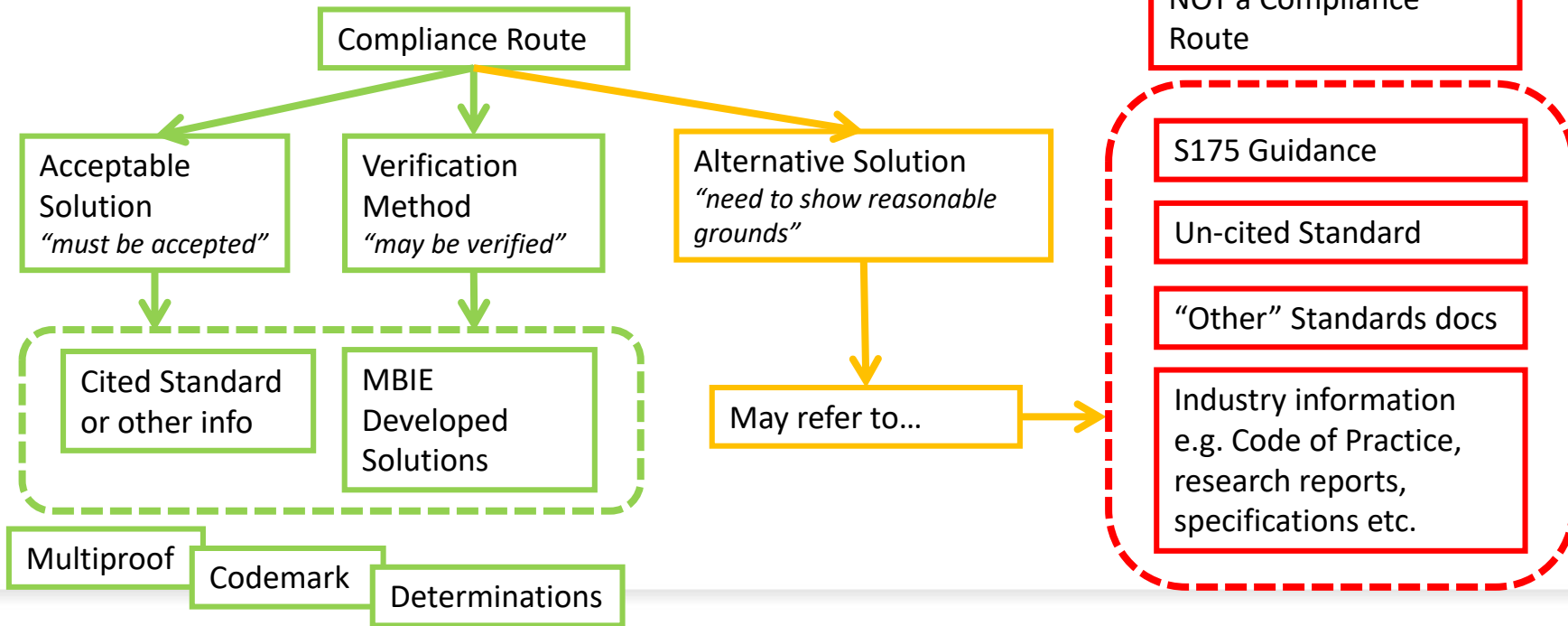
## How do the options relate to compliance?

**Acceptable Solution** means a solution that **must be accepted** as complying with the *Building Code*.

**Verification Method** means a method by which compliance with the *Building Code* **may be verified**.



# How do the options support compliance?







# What documents are cited by MBIE?

## Building Research Association of New Zealand

BRANZ Bulletin 330: 1995 Thin flooring materials – 2

Preparation and laying, Appendix 1

## SCION

Measurement of moisture content of wood

## Cement & Concrete Association of New Zealand

CCANZ – CP01: 2014 Code of Practice for weathertight concrete and concrete masonry construction, incorporating errata 1, January 2015

## Other Organisations

Federal Specification Standard TTS-00230C  
Elastomeric type, cold applied single component for caulking, sealing, and glazing in buildings, building areas (plazas, decks, pavements), and other structures

EIMA 101.91: 1992 EIFS Industry Members Association. Standard Guide for resin of resin coated glass fiber mesh in exterior insulation and finish systems (EIFS), Class PB.

ICBO Evaluation Services Inc  
AC148  
Acceptance criteria for flashing materials

ISO 9223: 1992  
Corrosion of metals and alloys; corrosivity of atmospheres; classification

## *Incorporation of material by reference*

### **405 Incorporation of material by reference into certain instruments, solutions, and methods**

- (1) The following material may be incorporated by reference into any instrument:
  - (a) standards, requirements, or recommended practices of national or international organisations:
  - (b) **any other written material** that, in the opinion of the Minister or, as appropriate, the chief executive, is too large or is impractical to include in, or print as part of, the instrument concerned.



# What does the Act say about Guidance?

## 175 Chief executive may publish guidance information

- (1) The chief executive may publish information for the guidance of—
  - (a) any of the following persons to assist them in complying with this Act:
    - (i) territorial authorities;
    - (ii) building consent authorities;
    - (iii) owners;
    - (iv) persons who carry out building work; and
  - (b) any of the following persons to assist them in the performance of their functions and duties, and in the exercise of their powers (if any), in relation to dams:
    - (i) regional authorities;
    - (ii) owners of dams;
    - (iii) licensed building practitioners; and
  - (c) owners of buildings and members of the public in relation to the application of [subpart 6A](#) of Part 2.
- (2) Any information published by the chief executive under this section—
  - (a) is only a guide; and
  - (b) if used, does not relieve any person of the obligation to consider any matter to which that information relates according to the circumstances of the particular case.

Section 175(1)(b)(iii): amended, on 1 July 2017, by [section 28\(1\)](#) of the Building (Earthquake-prone Buildings) Amendment Act 2016 (2016 No 22).

Section 175(1)(c): inserted, on 1 July 2017, by [section 28\(2\)](#) of the Building (Earthquake-prone Buildings) Amendment Act 2016 (2016 No 22).



## What are the issues to consider?

- MBIE does not currently have a formal policy on:
  - The process to be followed when drafting AS/VM's
  - Quality Assurance of information to be cited
- What are your key concerns with regard to;
  - the process for preparing AS/VM's?
  - the decision to cite documents?
- Will industry be willing to relinquish some control over compliance solutions in return for a faster process and more certainty?