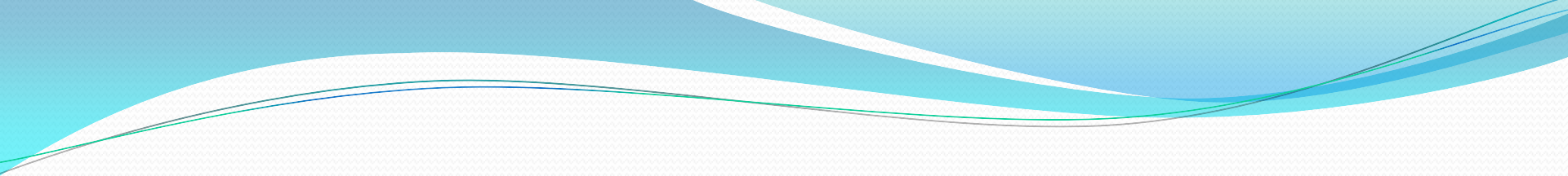




Energy Saving Charter

2018



General guidelines
on
routine
air temperature
measurements

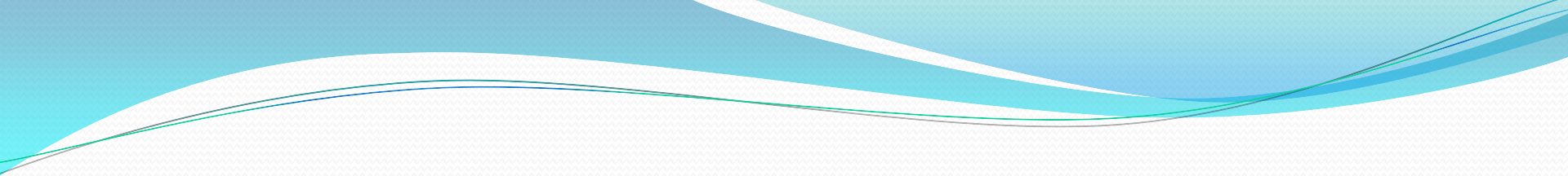
- Shopping Mall
- Office Building/
Commercial Building/
Industrial Building

- Office
- Shop

- Non-Governmental Organization/
Community Facility
- School
- Hotel
- Housing estate/ Residential
Building
- Hospital, etc.



A. Number of Sampling Points



Measurements
should be taken
at
air-conditioned space

Sufficient number of samples

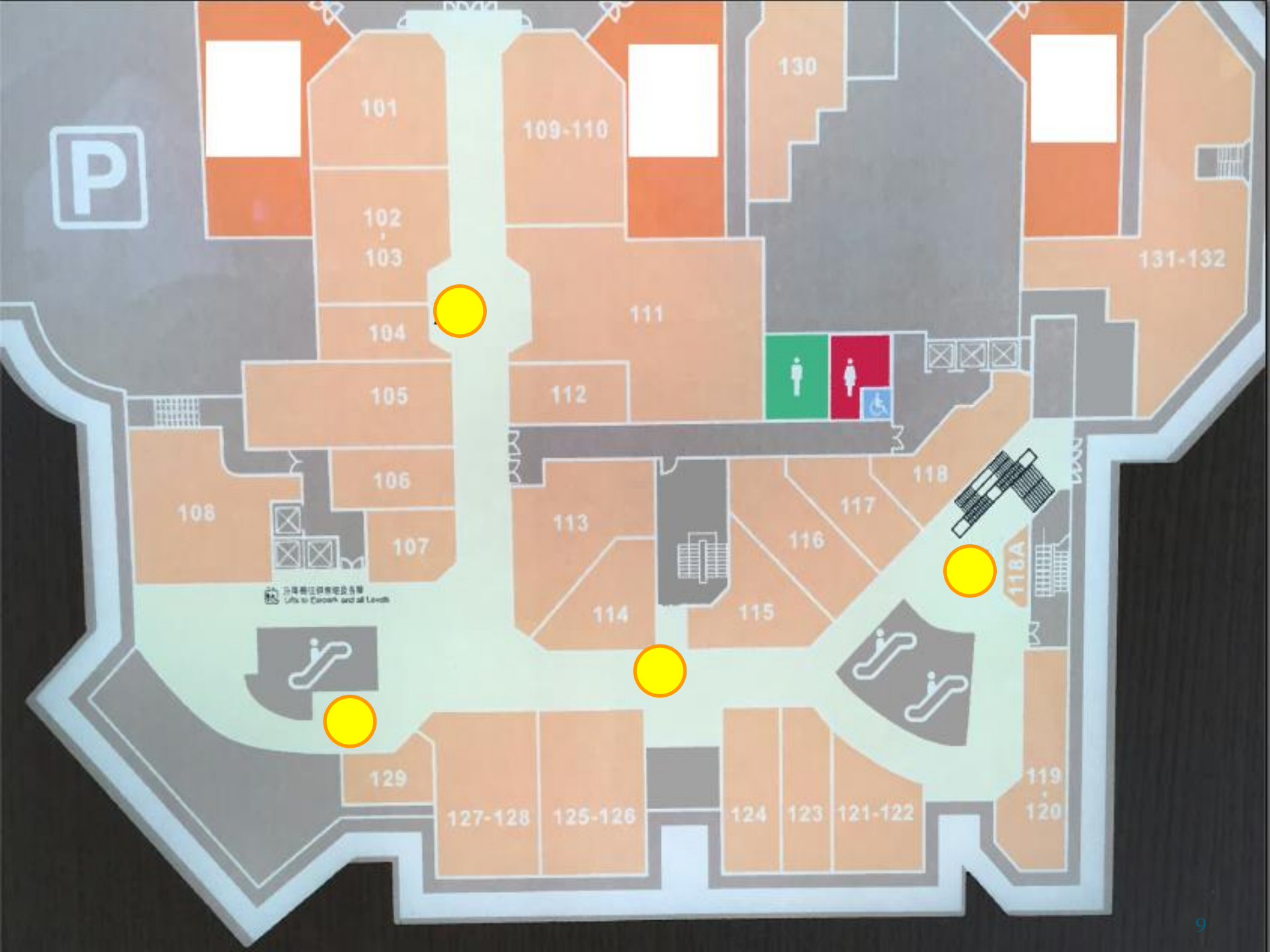
- <4000 sq M

Two sampling points

- >4000 sq M

One sampling point per 2,000 square metres

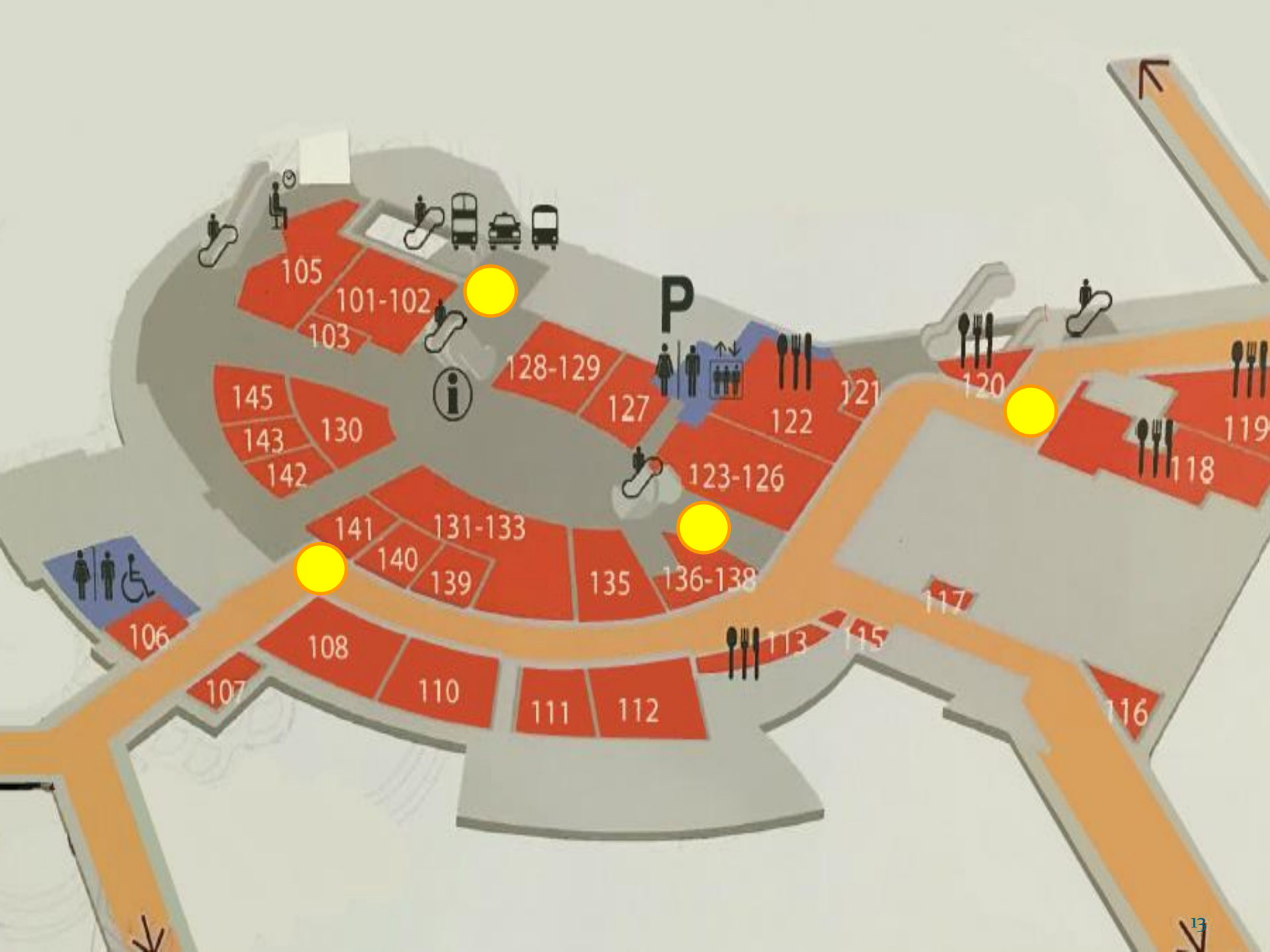
(Each floor for multi-storey air-conditioned premises)











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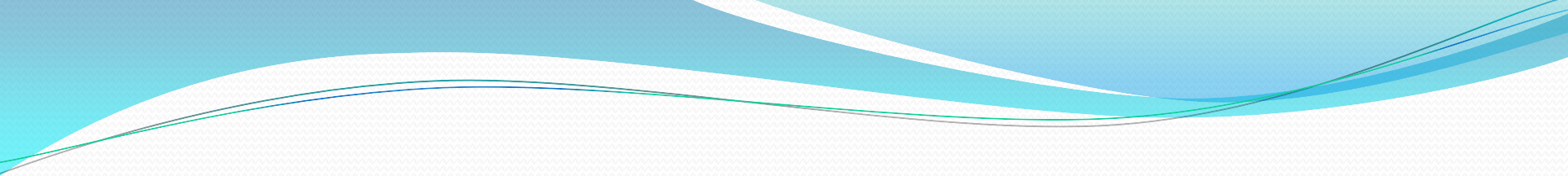
說明



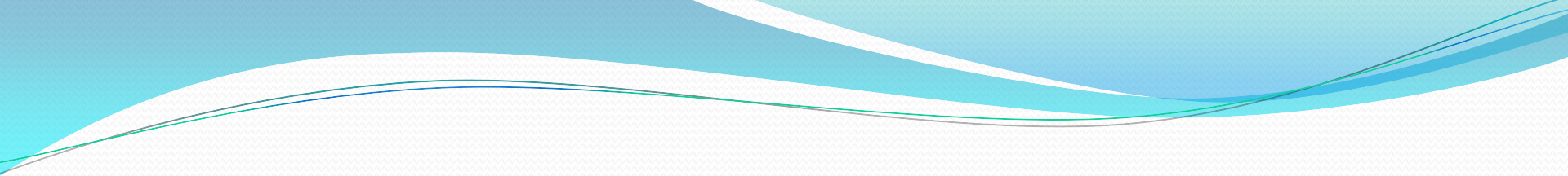
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| 2017 Charter | | Actual Count |
|--|------------------------------|--------------|
| Category | Joined Charter as at 18/5 | Accumulative |
| Shopping Mall | 152 | 21 |
| Office Building / Commercial Building / Industrial Building | 335 | 10 |
| Housing Estate / Residential Building | 1080 | 6 |
| Office | 862 | 4 |
| Shop / Restaurant / Supermarket | 293 | 6 |
| Non-governmental Organisation / Community Facility | 262 | 6 |
| Kindergarten / Primary School / Secondary School Post-Secondary Education Institution | 189 | 0 |
| Hotel | 44 | 3 |
| Hospital | 32 | 2 |
| Others | 59 | 0 |
| TOTAL | 3308 | 58 |



Average indoor temperature
is the
numerical average all sampling points



Measurement
should be taken
at least twice a week

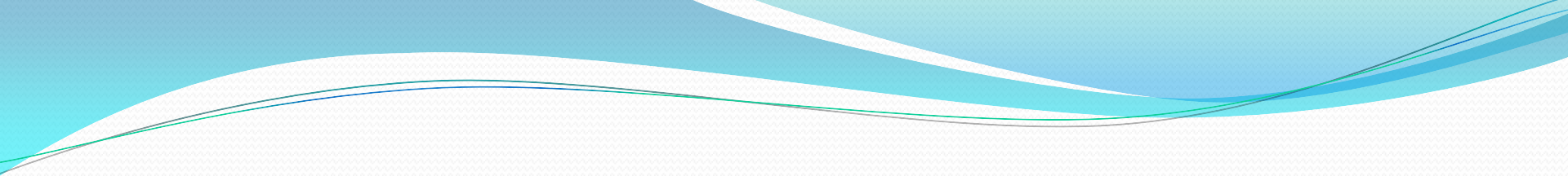


B. General considerations for selecting locations for measurement



Measurements shall be taken
at the air-conditioned space

- Occupied zones during the
occupied hours

- 
- The sampling locations should be representative locations
 - Randomly selected on all occupied zones or floors of the premises



a) In air-conditioned areas
with both high and low
occupancy rate

- 
- b) At least 0.5 metre inward
- from corners, windows, walls, doors

c) Not directly in front of:

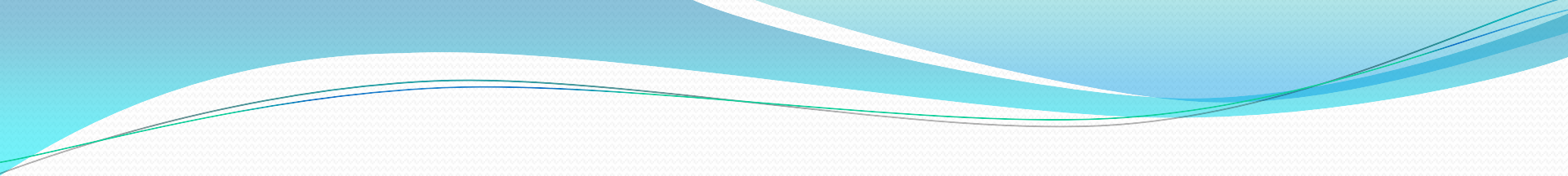
- Air supply diffusers
- Induction units
- Floor fans
- Heaters
- Exhaled breath of the operator, lifts, escalators, entrance or exit, etc.



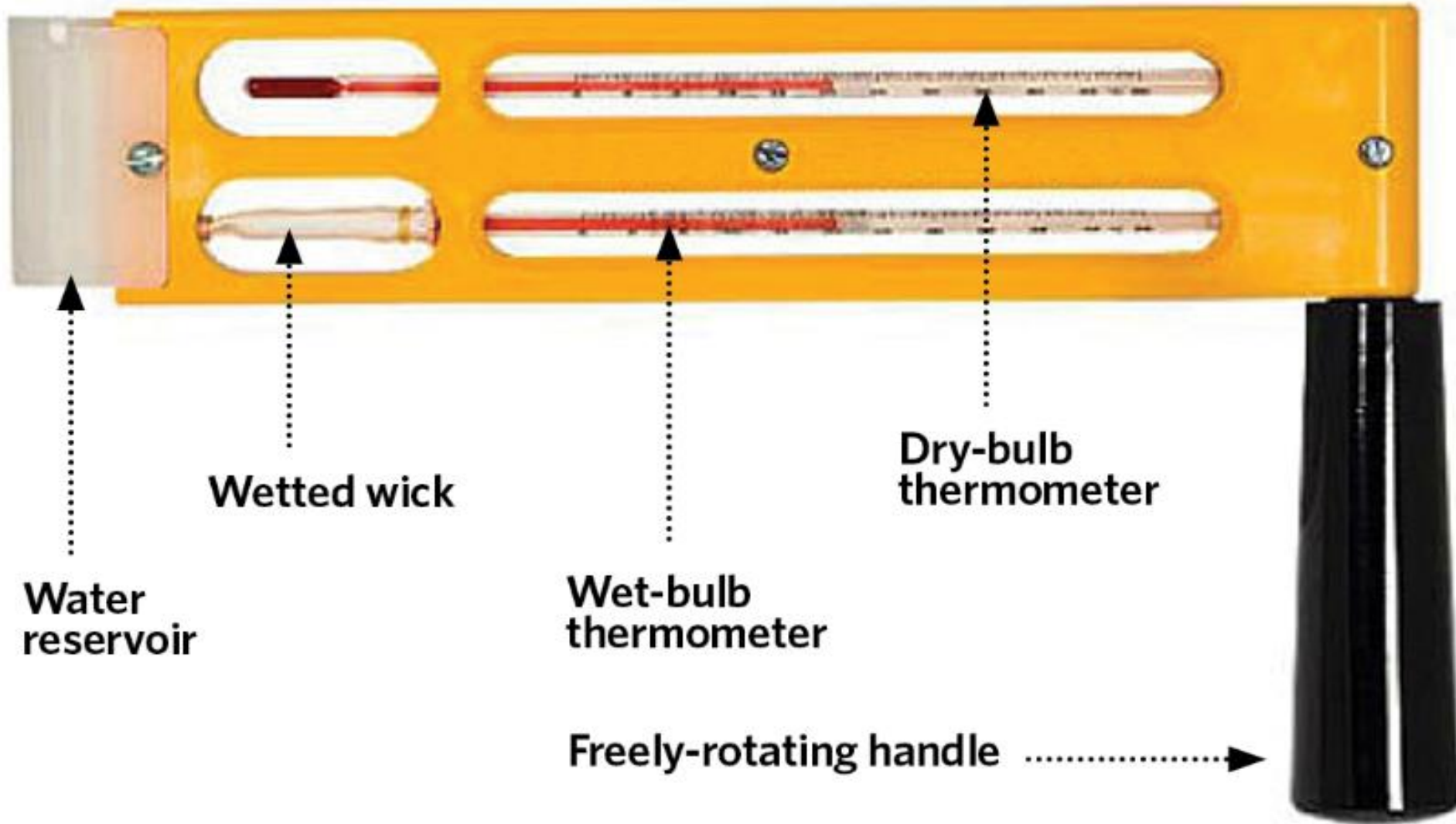
d) Not under direct sunlight



e) At a height of about 1.1 metres above the floor level for physical measurement



By Electronic or
Mechanical thermometer



Water reservoir

Wetted wick

Wet-bulb thermometer

Dry-bulb thermometer

Freely-rotating handle







C. Measuring Instrument

1

Temperature readings captured by the BMS

2

Electronic/ Mechanical thermometer

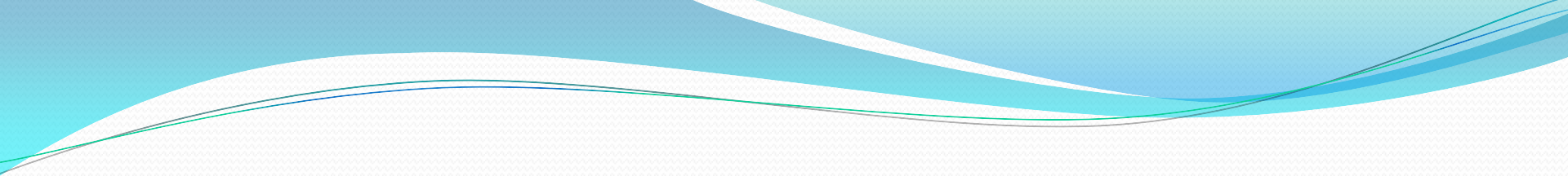
(Adequate measuring time, normally one minute)

3

Seek assistance from building management offices for capturing air temperature readings

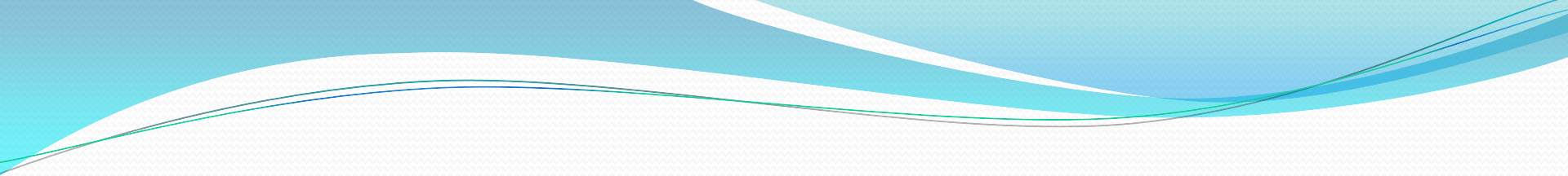


D. Records of Temperature Measurement

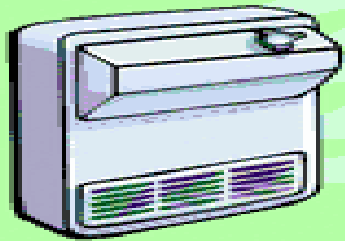


Keep a record of the routine temperature measurements for their future reference and review

E. Enquiry



Charter Secretariat
of the
Energy Saving Charter 2018
at
3155 3977



Air Conditioners

- Prefer air conditioners having automatic temperature cut off
自動溫度調節
- Keep regulators at 25°C position 預設最低25度
- Operate the ceiling fan in conjunction with your window air conditioner to spread the cooled air more effectively throughout the room and operate the air conditioner at higher temperature
風扇輔助
- Seal the doors and windows properly 密封門窗隙
- Leave enough space between your air conditioner and the walls to allow better air circulation 有足夠散熱空間
- A roof garden can reduce the load on Air Conditioner 蓆被
- Use windows with sun films/curtains 用窗簾/太陽膜

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Thank You