

ISO 18523-1:2016-11 (E)

Energy performance of buildings - Schedule and condition of building, zone and space usage for energy calculation - Part 1 : Non-residential buildings

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Framework of the schedule and condition for building energy calculation	7
4.1	Indispensable schedules	7
4.2	Daily schedule	8
4.3	Division of year and daily, weekly, monthly, seasonal and annual allocations of daily schedule	10
5	Conditions for energy calculation included in the schedule and condition of building, zone and space usage	13
5.1	Energy needs and uses	13
5.2	Condition	13
5.2.1	General information on occupancy and usage	13
5.2.1.1	Occupancy density	13
5.2.1.2	Simultaneous usage ratio of a set of zones and spaces	14
5.2.2	Operation of technical building systems and requirement for the services	14
5.2.2.1	Space heating and cooling	14
5.2.2.2	Ventilation for conditioned zone or space	14
5.2.2.3	Lighting	15
5.2.2.4	Domestic hot water	15
5.2.2.5	Ventilation for unconditioned zone or space	15
5.2.3	Internal heat gains	16
5.2.3.1	Person	16
5.2.3.2	Lighting	16
5.2.3.3	Appliances	16
6	Category of building, zone and space	17
6.1	General	17
6.2	Category of building	17
6.3	Category of space or zone	17
Annex A (informative) Format of daily schedule		19
Annex B (informative) A set of annual schedules by daily allocation of daily schedules		21
Annex C (informative) Categories of space and zone		27
Annex D (informative) A set of daily schedules for categories of space and zone		35
Annex E (informative) Examples of building		207
Bibliography		252