

CHAPTER 3 - COMMISSIONING AND MANAGEMENT

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503.07 PERFORMANCE AND COMMISSIONING REPORTS



INTENT

To report actual performance of the building during the operational phase.

REQUIREMENT

For Golden and Platinum Sa'fa and for all new buildings other than villas, a detailed report on the performance of the building based on the design considerations must be submitted. This should include the actual performance reports for a minimum period of 6 months, of which three months shall be thermal peak months.

SIGNIFICANCE

The performance measurement of any building during actual operational condition is very important to ascertain successful and efficient operation of all the integrated systems under peak thermal load. It also helps to identify any issues and deficiencies in system where corrective action can be taken during warranty phase. This saves building owner and/or tenants to avoid high operating and maintenance cost, as well as premature replacement cost.

Regular monitoring and recording of operational data, is an effective practice for planning and implementing energy conservation measures. In absence of such data the actual variation is unknown, and no upgrades or improvement can be planned.

APPLICABILITY

This regulation is applicable to all building types, except villas. Refer to Table 101.07(2) in Section One - Administration for detailed applicability levels.

IMPLEMENTATION

At the initial phases of building operation, the performance of the building systems at or near peak load conditions may not be achievable due to low occupancy levels, weather conditions etc. Hence, this regulation requires performance test to be carried out for all the building systems for a minimum period of 6 months, of which three months shall be thermal peak months.

Contractor and suppliers (as applicable) should be involved in this performance tests and must demonstrate the performance results of their respective systems in compliance with design