

**Gwinnett County
Department of Planning and Development**

Functional Performance Testing Information

Functional Performance Testing

Functional Performance Testing as defined in the Georgia State Minimum Standard Energy Code (The 2015 International Energy Conservation Code with Georgia State supplements and amendments) is required for commercial building mechanical systems in Section C403 and electrical power and lighting systems in Section C405.

Functional Performance Testing Provider (FPT)

The Functional Performance Testing Provider (FPT) shall be a registered design professional or approved agency.

- **Registered Design Professional:** An individual who is registered or licensed to practice their respective design profession as defined by statutory requirements of the professional registration laws of the state or jurisdiction in which the project is to be constructed. (2015 IECC Section C202)
- **Approved Agency:** An establishment and recognized agency regularly engaging in conducting tests or furnishing inspection services, when such agency has been approved by the code official. (2015 IECC Section C202)
 - Gwinnett County will allow licensed trade contractors as an approved agency.

Mechanical Systems

Functional performance testing shall be executed on mechanical systems and equipment serving the building heating, cooling or ventilating needs as described in IECC Sections C403.2, C403.3 and C403.4.

The following systems are exempt:

- Mechanical systems and service water heater systems in buildings where the total mechanical equipment capacity is less than 480,000 Btu/h (140.7 kW) cooling capacity and 600,000 Btu/h (175.8 kW) combined service water-heating and space heating capacity. (Section 408.2)
- Systems included in Section C403.3 (Economizers) that serve individual dwelling units and sleeping units. (Section 408.2)

Electrical Systems

Functional performance testing shall be executed on electrical and lighting systems as described in IECC Sections C408.3.

Refer to the following sections for compliance requirements and exceptions.

- Lighting controls – Section C405.2.
- Occupant sensor controls – Section C405.2.1.
- Time switch controls – Section C405.2.2.
- Light-reduction controls – Section C405.2.2.2.
- Manual controls – Section C405.2.2.3.
- Daylight-responsive controls – Section C405.2.3.

Document Submittals to the Building Official

The Preliminary Functional Performance Testing Report (Statement of Performance Requirements – Plan Review Submittal) shall be submitted to Building Plan Review Section prior to issuance of the construction-building permit. The Required Documentation as indicated on the report shall be submitted with the preliminary report.

The Final Functional Performance Testing Report (Statement of Completion – Construction Submittal) shall be submitted to the Building Inspections Section prior to requesting final inspections. The Required Documentation as indicated on the report shall be submitted with the final report.

