

(This foreword is provided for information only and is not part of the draft addendum.)

## **FOREWORD**

**Draft Addendum 90.1t –Publication Draft.** The concern was expressed that balancing of air and hydronic systems with variable flow controls may not be cost effective and therefore should not be required. The changes reflect an agreement of opposing commenters on this issue.

### **Addendum 90.1t**

**6.2.5.3.1 General.** Construction documents shall require that all HVAC systems be balanced in accordance with generally accepted engineering standards (see Appendix E.) ~~Ducted air and water flow rates shall be measured and adjusted to deliver final flow rates within 10% of design rates.~~

~~Exception to 6.2.5.3.1: Variable speed, variable volume flow distribution systems need not be balanced upstream of a pressure independent device.~~

**6.2.5.3.2 Air system Balancing.** Air systems shall be balanced in a manner to first minimize throttling losses. Then for fans with system power of greater than 1 hp (0.75 kW), fan speed shall be adjusted to meet design flow conditions ~~except variable flow distribution systems need not be balanced upstream of the controlling device (e.g., a calibrated VAV box).~~