

**INTERPRETATION IC 90.1-2019-5 OF
ANSI/ASHRAE/IES STANDARD 90.1-2019
Energy Standard for Buildings Except Low-Rise Residential Buildings**

Date Approved: March 31, 2021

Request from: Reid Hart, Pacific Northwest National Lab, PO Box 21416, Eugene, OR 97402.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IES Standard 90.1-2019, Sections 6.5.3.5 and 6.5.3.5.1, regarding supply air temperature reset.

Background: There are two distinct requirements in Section 6.5.3.5.1: accommodation of SAT reset and economizer lockout. It is not clear for systems that are excepted from 6.5.3.5, would Section 6.5.3.5.1 require either:

- a. A design that allows supply air temperature reset while dehumidification is provided
- b. The lockout of air economizers when dehumidification control is active.

Two alternative interpretations are provided:

1. When a system has an exception to SAT reset, it not required to allow SAT reset during dehumidification, but is required to have an outside air economizer lockout during dehumidification.
2. When a system has an exception to 6.5.3.5, it also has an exception to 6.5.3.5.1 and is neither required to accommodate SAT reset during dehumidification, nor is required to have an outside air economizer lockout during dehumidification.

Interpretation No.1: The requirement that economizers be locked out per Section 6.5.3.5.1 applies to all climate zones, not just Climate Zones 0A, 1A, 2A, and 3A.

Question No.1: Is this interpretation correct?

Answer No.1: No.

Comments: The economizer lockout requirement is intended to apply only to the climate zones listed in the first sentence of Section 6.5.3.5.1.

Interpretation No.2: For a system that meets one of the exceptions to Section 6.5.3.5 neither of the requirements in Section 6.5.3.5.1 apply.

Question No.2: Is this interpretation correct?

Answer No. 2: Yes.