

**INTERPRETATION IC 135-2008-16 OF  
ANSI/ASHRAE STANDARD 135-2008 BACnet® -  
A Data Communication Protocol for Building  
Automation and Control Networks**

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**Reference:** This request for interpretation refers to the requirements presented in Addendum g to ANSI/ASHRAE Standard 135-2008, Clause 24.16.2 and Tables 24-8, 24-18, 24-22 and 24-24 (pages 47, 19, 22-23, 26-27, 28-29), relating to order of error checking in key messages.

**Background:** Clause 24.16.2 says that general security layer errors are to be checked in the table-specified order, and that they are to be checked before any authorization errors.

According to Table 24-8, destinationDeviceIdRequired, encryptionRequired, and sourceSecurityRequired are authorization errors.

In the Request-Key-Update error table (Table 24-18), destinationDeviceIdRequired and encryptionRequired appear between the two general security errors badTimeStamp and notKeyServer.

In the Update-Key-Set error table (Table 24-22), all three authorization errors appear between the two general security errors badTimeStamp and keyUpdateInProgress.

In the Update-Distribution-Key error table (Table 24-24), all three authorization errors appear between the two general security errors badTimeStamp and cannotUseKey.

**Interpretation:** The destinationDeviceIdRequired, encryptionRequired, and sourceSecurityRequired are to be considered general security errors when processing Request-Key-Update, Update-Key-Set, and Update-Distribution-Key requests. These errors may NOT be checked after all the other general network errors.

**Question:** Is this interpretation correct?

**Answer:** Yes.