

## **CABA White Paper Proposal (October 21, 2106)**

### **Elevator Technologies in High Rise Intelligent Buildings**

"Intelligent buildings are usually of a high-rise design where the vertical transportation system is a dominating key factor to determine the efficiency of the building. In this article, the role of vertical transportation in a high rise intelligent building is first discussed, followed by a brief introduction to different elevator systems available in the market. Some state-of-the-art technologies will also be highlighted, of course, including the newly approved BACnet objects for elevators and escalators. Then, national and international standards related to elevator safety, comfort, energy, operation and maintenance will be discussed. A case is selected to demonstrate to what should be paid attention when existing elevators are re-commissioned and modernized. A series of traffic analysis is used to reflect improvement in passenger service by adopting different types of configuration and supervisory control."

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