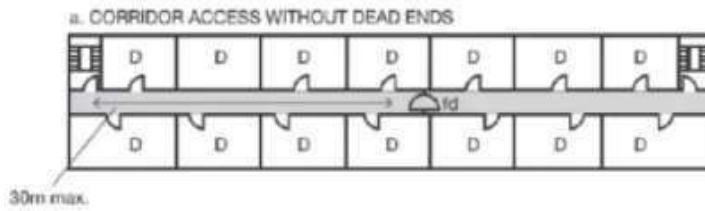
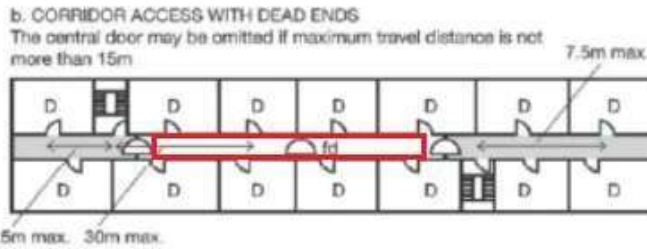


**Why do I need Fire CFD (Performance Based Fire Safety Design)? For three key reasons really:**

- (i) Avoid non-ventilated spaces despite code compliance as shown below:

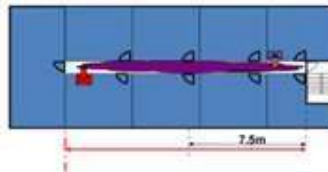


**Space ADB compliant and fully smoke ventilated (AOV /OV ventilation at corridors).**



**Space ADB compliant but red area not smoke ventilated so Fire CFD necessary! (AOV /OV ventilation at corridors).**

- (ii) Use Fire CFD to specify extraction and inlet fans for non-compliant travel distance (ie **extended travel distance**) as shown below:



- (iii) Safe and cost-effective design by avoiding the overdesign that may sometimes result from application of prescriptive methods.