	DISPOSITION OF PUBLIC COMMENTS AC 25.1362-1, ELECTRICAL SUPPLIES FOR EMERGENCY CONDITIONS		
Commenter	**Comment**	**Requested Change**	**Disposition**
AIA/GAMA Comment no. 18379-64	AC 25.1362-1X, *Electrical Supplies for Emergency Conditions,* Paragraph 4.a., only speaks about minimizing the potential of a fire coming from these emergency services under the "emergency conditions considered" but does not define what these conditions are other than ditching or emergency landing. Protection provisions to prevent ignition sources have to be designed to a certain crash condition which should be defined in this AC (such as the crash conditions of 25.561).	The commenter provided the following revised paragraph: **a. <u>Emergency Services.</u>** The emergency services which may require an electrical supply include fuel shut-off valves, hydraulic shut-off valves, and engine/APU fire extinguisher systems. The components and installation of the components associated with providing an electrical supply for services required during emergency procedures after an emergency landing or ditching should be sufficiently robust in nature so as to minimize their potential for causing a fire under the emergency conditions considered. Probable failure scenarios should be considered when selecting the components and designing their installation to help ensure that they would not cause a fire under these failure scenarios.	We partially agree with the commenter's suggested revision to this paragraph. Our intent is to ensure that the necessary electrical power is available to allow the emergency service equipment, such as a fuel shut-off valve, to operate after an emergency landing or ditching. No changes were made to this AC regarding this part of the comment. The intent of the requirement is to prevent disconnection of the electrical supply to the required services before the emergency procedures are completed. We want to make sure that the circuits are capable of shutting off the services that could contribute to a fire. Section 25.1362 in the final rule has been revised to clarify our intent. We also revised the associated advisory circular, AC 25.1362-1, *Electrical Supplies for Emergency Conditions*, to clarify an appropriate means of compliance.

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			The revised paragraph is as follows: **a. Emergency Services.** The emergency services which may require an electrical supply include fuel shut-off valves, hydraulic shut-off valves, and engine/APU fire extinguisher systems. The components and installation of the components associated with providing an electrical supply for services required during emergency procedures after an emergency landing or ditching should be sufficiently and robustly designed, protected, and installed so that the risk of the services being rendered ineffective under these emergency conditions is minimized. Probable failure scenarios should be considered when selecting the components and designing their installation to help ensure that they are capable of shutting off the services that could contribute to a fire under these failure scenarios.