



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

June 28, 2019

DER, Electrical Systems | Aeronautical Engineers, I  
ewildhagen@aeronautical-engineers.com

Dear DER, Electrical Systems | Aeronautical Engin

The Aircraft Evaluation Group (AEG) has reviewed your request for Supplemental Type Certificate (STC) Master Minimum Equipment List (MMEL) relief. The AEG finds your relief submission is allowable under existing MMEL relief as shown at the bottom of this letter.

You may incorporate the relief listed below into your Minimum Equipment List (MEL) upon receipt of this letter. The relief granted remains valid indefinitely with possession of this letter unless the relief is specifically revoked or revised by the Administrator.

STC Applicant

STC Number

STC Description

DER, Electrical Systems | Aeronautical Engineers, Inc.

ST02690LA

The above reference STC converts the aircraft from a passenger to a dedicated freighter with a Class E interior and large Main Deck Cargo door. The request for MMEL relief follows the policy guidelines of Policy FAA Letter PL-109 and the FAA MMEL Industry Group documents.

Aircraft Model List

B737-800

Sincerely,

Timothy Hayward

FOEB Chair,

Aircraft Evaluation Group

## Approved MMEL Relief

System-Sequence	Item	Category	Installed	Required	Remarks-Exceptions
52-03-05	DOORS - Door Warning Light System - Main Cargo Door Indication System				
52-03-05 1)	MCD Control and Indicating Panel Red "DOOR UNSAFE" Warning Light	C	1	0	(O) May be inoperative provided: a) Flight deck red CARGO DOOR warning lights test operative and are extinguished, and b) All nineteen (19) amber lights on the MCD Control and Indicating Panel test operative and are extinguished, and c) Green DOOR SAFE indicator light is illuminated, and d) An external visual inspection verifies that the door is CLOSED and all eight (8) lockpins are in the LOCKED position.
52-03-05 2)	MCD Control and Indicating Panel Red "DOOR UNSAFE" Indicating Light	C	-	0	(O) May be inoperative provided: a) Flight deck red CARGO DOOR warning lights test operative and are extinguished, and b) All nineteen (19) amber lights on the MCD Control and Indicating Panel test operative and are extinguished, and c) Green DOOR SAFE indicator light is illuminated, and d) An external visual inspection verifies that the door is CLOSED and all eight (8) lockpins are in the LOCKED position

52-03-05 3)	MCD Control and Indicating Panel Amber Indicating Light	C	-	0	<p>(O) May be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) Flight deck red CARGO DOOR warning lights test operative and are extinguished, and</li> <li>b) All nineteen (19) amber lights on the MCD Control and Indicating Panel test operative and are extinguished, and</li> <li>c) Green DOOR SAFE indicator light is illuminated, and</li> <li>d) An external visual inspection verifies that the door is CLOSED and all eight (8) lockpins are in the LOCKED position.</li> </ul>
52-03-05 4)	Flight Deck Amber “DOOR ARMED” Indicating Light	C	1	0	<p>(O) May be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) Flight deck red CARGO DOOR warning lights test operative and are extinguished, and</li> <li>b) MCD Control and Indicating Panel green DOOR SAFE indicator light is illuminated, and</li> <li>c) MCD Control and Indicating Panel red DOOR UNSAFE warning light is extinguished, and</li> <li>d) An external visual inspection verifies that the door is CLOSED and all eight (8) lockpins are in the LOCKED position</li> </ul> <p>(M) May be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) The associated MCD Control circuit breaker is opened and secure.</li> </ul>

52-03-05 5)	Flight Deck Red "CARGO DOOR" Warning Lights	C	2	0	<p>(O) May be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) MCD Control and Indicating Panel red "DOOR UNSAFE" warning lights test operative and are extinguished, and</li> <li>b) MCD Control and Indicating Panel green "DOOR SAFE" indicator light is illuminated, and</li> <li>c) An external visual inspection verifies that the door is CLOSED and all eight (8) lockpins are in the LOCKED position.</li> </ul>
52-13-03	Hydroelectric and/or Manual Mode (STCs)	C	2	1	One may be inoperative provided remaining mode operates normally.