

FLEET TEAM DIGEST

747-FTD-05-19002

Issue Title : Introduction of MK Test Systems Loop Resistance Tester (ExLRT)

Airplane Model	ATA	Minor Model(s)
747	0520-00	-100,-200,-300,-400,-8F,-8I,-400LCF,-400F,-400B CF,-8,

Other Model(s)	ECCN
757,767	9E991

Originated Date	Last Revised Date	Created On
11/27/2019	11/27/2019	11/19/2019

Estimated Completion Date	Next Update Date
11/29/2020	01/30/2020

Description

Boeing would like to inform operators and Maintenance, Repair and Overhaul (MROs) of an alternate Loop Resistance Tester.

Background

Loop resistance testers are employed as part of the maintenance program to validate the effectiveness of High Intensity Radiated Fields (HIRF) and lightning protection features. Previously, the BAE Systems Loop Resistance Tester (LRT) had been the only approved test equipment to complete HIRF/Lightning maintenance tasks on fueled aircraft.

Status

The purpose of this message is to inform airlines and maintenance, repair, and overhaul personnel of an approved alternative, MK Test Systems Loop Resistance Tester (ExLRT) PN XLR-9703-XX (Any variants), to the BAE Systems Loop Resistance Tester (LRT) PNs 906-10246-3, 906-10246-2, and 906-10246-1.

Unlike other alternate loop resistance testers, the ExLRT is on track to receive intrinsic safety certification. This will allow use of the ExLRT on fueled airplanes.

MK Test Systems intend to release the tool by end of 4Q19. Boeing will release a Multi Operator Message (MOM) once the tool is available.

Boeing is working internally to add the new tool into Boeing's tool database and incorporating the tool into the existing Aircraft Maintenance Manual (AMM) and Special Compliance Item (SCI) documents.

Interim Action

While Boeing works to update the AMM, Boeing is willing to grant a Non-Technical Objection (NTO) to MRO/operators who wish to use the ExLRT instead of the LRT for Lightning/HIRF scheduled maintenance tasks not associated with Special Compliance Items or Airworthiness Limitations . Refer to MK's User Manual for instructions on how to operate the ExLRT. Be sure to refer to existing AMMs for instructions on how to perform scheduled maintenance tasks.

Final Action

Boeing plans to incorporate the ExLRT into all affected AMMs that use the LRT. Some of the affected AMMs are associated with Special Compliance Items and Airworthiness Limitations. Boeing plans to incorporate the ExLRT into the Special Compliance Items document and Airworthiness Limitations section of the Instructions for Continued Airworthiness once necessary regulatory approval is granted. Until regulatory approval is granted Boeing asks operators to refrain from using the ExLRT on maintenance associated with Boeing Special Compliance Items or Airworthiness Limitations. For AMMs not associated with Special Compliance Items or Airworthiness Limitations, regulatory approval is not needed and operators can use the ExLRT as described in the Interim Action. Boeing will update operators when regulatory approval is granted.

Milestones

Note: Target dates are based upon currently available status and have risk of future revision.

ExLRT Tool Available: End of 4Q19 (Target)

AMM items not related to AWL or SCIs Update: 1Q20 (Target)

SCIs Update: Pending FAA Approval

Boeing will update the operators of any schedule changes.

Supplier Information

For more information about the ExLRT, please contact the supplier, MK Test Systems, directly. Their contact information is below:

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Parts List				
Parts Name	Boeing Part Number	Supplier Name	Supplier Number	Actions
ExLRT	XLR-9703-XX	MK Test Systems	8EGR1	

Related Categories
<ul style="list-style-type: none">New Equipment - Information on new parts available now or soon to be introduced

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