### **MMEL SUPPLEMENT**

## **REVISION 2**

TO

## **FOKKER F-27**

# MASTER MINIMUM EQUIPMENT LIST

Original signed by:

B. J. Wormworth Chief Airworthiness Flight Test for Minister of Transport

FEB. 21, 1992 REVISION: 02

# Master Minimum Equipment List Supplement

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## **Log of Revisions**

Revision No.	Date	Page Number	Initials
Original	Oct. 25, 1991	All	
01	Dec. 10, 1991	L-1, L-2, L-3 L-4, L-5, 25-1 33-1, 33-2, 52-1	
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### **Reasons for Changes**

General	Review of RLD MMEL, 1 Jan. 1992.
27-50-1	Wing Flap Position Indicator. No relief permitted as unable to confirm flap position from the flight deck, TC Guidance material.
34-20-10	Compass Heading Indications. (including Heading part of Compass Indication, Course Indication, Course Indication, HSI, RMI, etc.) Cat B as per TC Guidance material.

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#### INTRODUCTION

This Transport Canada MMEL Supplement constitutes a mandatory change to the RLD Approved MMEL for the Fokker F- 27.

This MMEL Supplement must be used in conjunction with the RLD Approved MMEL (Revision dated Jan. 01, 1992 or later applicable revision).

The information contained herein supersedes the existing RLD MMEL only for those items listed herein. For items not contained in this Supplement, consult the RLD MMEL.

Operating and/or maintenance procedures referred to in this Supplement are the same as those supporting the RLD MMEL unless otherwise indicated. Procedures required by the Transport Canada MMEL Supplement and not indicated in the RLD Approved MMEL must be provided by the operator.

The RLD MMEL has entries where the "Remarks or Exceptions" column states "as required by regulations". Unless such an entry is superseded by an item in this Supplement, all references should be made to the applicable Canadian regulations.

This MMEL Supplement uses the standard four column format and symbols as referenced in the Transport Canada MMEL/MEL Policy and Procedures Manual (TP9155E). The same definitions and symbols as the CAA MMEL are also used. Items which have no MMEL relief (i.e. relief withdrawn are not categorized.

Comments and inquiries should be directed to:

Transport Canada Director of Airworthiness 7th Floor Centennial Towers 200 Kent St. Ottawa, Ontario K1A 0N8

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#### REPAIR INTERVALS (CATEGORIZATION)

Maximum times between the deferral of an inoperative item and its repair must be specified in the MMEL. However, the RLD MMEL does not provide the repair interval categorization. Thus, this MMEL supplement provides the categorization of each inoperative item as determined according to the time intervals outlined below:

Category A. Items in this category shall be repaired within the time interval specified in the remarks column of the MMEL.

Category B. Items in this category shall be repaired within three (3) consecutive calendar days (72 hours), excluding the day the malfunction was recorded in the aircraft maintenance record/logbook.

Category C. Items in this category shall be repaired within ten (10) consecutive calendar days (240 hours), excluding the day the malfunction was recorded in the aircraft maintenance record/logbook.

Category D. Items in this category shall be repaired within one hundred and twenty (120) consecutive calendar days (2880 hours), excluding the day the malfunction was recorded in the aircraft maintenance record/logbook. To be considered for placement in the D category, an item must be of an optional nature, which an operator may, at his discretion, deactivate, remove from or install on an aircraft. To be approved for the D category, the item must meet the following criteria:

- a) the absence of the item does not affect crew workload;
- b) the pilots do not rely on the function of that item on a routine or continuous basis;
- c) the pilots' training, subsequent habit patterns and procedures do not rely on the use of that item.

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Unless superseded by an entry in this TC MMEL Supplement all items in the RLD MMEL are considered to be Category C, with the following exceptions:

#### **Repair Interval Category**

ATA Number	CATEGORY B
24-20-3	a. Rotary Inverters
	b. Static Inverters
24-30-1	DC Generators
26-10-1	HPC Handle Warning Lights
28-20-1	Fuel Booster Pumps
30-10-2	Rubber Boot Sections
30-10-3	Suction System
30-10-4	Suction Gauge
32-33-1	Main Gear Uplock Latches
32-33-2	Nose Gear Uplock Latch
33-10-3	Master Warning System
34-20-2	Primary Attitude Indicators
	(Including Gyro Horizon, and Attitude part of FDI, ADI, etc.).
34-20-3	Standby Horizon (if installed)
34-20-4	Magnetic Gyro Compass System (stabilized)
34-20-8	Vertical Gyros (if installed)
34-20-10	Compass Heading Indications (Including Heading part of Compass Indicators, HSI, RMI, etc.).

ATA Number	CATEGORY D
25-20-3	Passenger Seat Belts
25-61-2	<b>Emergency Locator Transmitter</b>
33-40-7	Logo Lights
34-60-1	Long Range Navigation Systems (if installed)

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Syste	m &	1.	2. Nu	mber	Installed			
Seque	nce	RIC		3.Nu	mber Required for Dispat	ch		
Numbe	rs				4. Remarks or Exceptions			
21	AIR CONDITIONING							
10-3	Blower Pressure Indicator		2	2				
30-3	Cabin Altitude Caution Light	C	1	0	May be inoperative prestricted to 10,000 for			
30-6	Cabin Rate-of-Climb Indicator	C	1	0	May be inoperative jinstruments and fun pressurization system	provided all other ctions of the		

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Syste	m &	1.	2.Nu	mber	Install	Led	
Seque	nce	RIC		3.Nu	mber Re	equired	for Dispatch
Numbe	rs				4.Rema	arks or	Exceptions
23	COMMUNICATIONS						
30-1	Public Address System	A	1	0	(O)	flight	be inoperative for a maximum of 15 hours (domestic) or 25 flight hours national) provided:
						a)	alternate procedures are established and used;
						b)	flight deck/cabin interphone (two way) with associated calls (e.g. chimes) is operative; and,
						c)	megaphone(s) is/are readily available and operative.
						NOT	E:
						opera	be inoperative for all cargo ations provided the flight deck crew be only occupants of the aircraft.
30-2	Megaphone	В	1	0		-	be inoperative provided the PA m is operative.
70-1	Cockpit Voice Recorder	A	1	0		May l	be inoperative provided:
						a)	the Flight Data Recorder operates normally; and,
						b)	repairs are made within three flight days.

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FOKE	KER F-27	Date: Dec. 10, 1991 25-1 of 4				25-1 of 4
Syste	em &	1.	2.Nu	mber	Installed	
Seque	ence	RIC		3.Nu	mber Required for Dispate	ch
Numbe	ers				4. Remarks or Exceptions	
25	EQUIPMENT/ FURNISHINGS					
10-1	Flight Deck Crew Member Seat Shoulder Harness	В	3	-	As required by regul	ations.
10-2	Observer Seat	В	1	-	May be inoperative of for a company check Canada inspector act capacity.	
20-1	Cabin Attendant Seat Shoulder Harness	A/B	-	-	As required by regul See 25-20-2 for consis	
20-3	Passenger Seat Belts	D			May be inoperative of the seat is not used a placarded "DO NOT	nd blocked and

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Syste	em &	1.	2.Nu	mber	Install	ed	
Seque	ence	RIC		3.Nu	mber Re	quire	d for Dispatch
Numbe	ers				4. Remai	rks o	r Exceptions
25	EQUIPMENT/ FURNISHINGS						
20-2	Cabin Attendant Seat	A/B	-	-	(M)(O)		seat or seat assembly may be erative provided:
						a)	the affected seat or seat assembly is not occupied;
						b)	flight attendant displaced by the inoperative seat occupies the passenger seat most accessible to his or her assigned exit;
						c)	alternate procedures for displaced flight attendant are established and used;
						d)	a folding type seat is removed, stowed or secured in the retracted position; and,
						e)	the passenger seat assigned to the flight attendant is placarded 'FOR FLIGHT ATTENDANT USE ONLY'.

Aircraft:		Revision No. Original	Page:
FOKKER F-27		<b>Date: Oct. 25, 1991</b>	25-3 of 4
System &	1.	Number Installed	
Sequence	RIC	3. Number Required for Disp	atch
Numbers		4.Remarks or Exception	ns
25 EQUIPMENT/FURNISHINGS		NOTES:  1. The maximum located adjace lighting contralert/signal promunication inoperative is (domestic) or (international Any other seasons).  2. If the automation folding seat is will be considered as a shoulder harm inoperative.  4. The above promunication in experiment occupied in blocked ii) properations in experiment occupied iii) properations in properations in experiment occupied iii) properations in pr	an time for which a seat ent to emergency ols, evacuation anels or critical ons equipment, may be 15 flight hours 25 flight hours 3. It is Category B. It is

nft:			Revi	sion No	. Origin	nal Page:
FOKKER F-27			Date	: Oct. 25	25-4 of 4	
em &	1.	2.Nu	mber	Instal	led	
ence	RIC		3.Nu	mber R	equire	d for Dispatch
ers				4.Rem	arks o	r Exceptions
EQUIPMENT/ FURNISHINGS						
Overhead Stowage Bin (if installed)	С	-	-	(M)		closed Latch may be inoperative vided:
					a)	the bin is not used for stowage;
					b)	the lid is secured closed or removed; and,
					c)	the bin is placarded "INOPERATIVE DO NOT USE".
	EQUIPMENT/ FURNISHINGS Overhead Stowage Bin	EQUIPMENT/ FURNISHINGS Overhead Stowage Bin  C  1.  RIC  RIC  CONTROL  CONT	EQUIPMENT/ FURNISHINGS Overhead Stowage Bin  C  1. 2. Nu 2. Nu 2. Nu Conce RIC Conce R	EQUIPMENT/ FURNISHINGS Overhead Stowage Bin  C  1. 2. Number  3. Number  3. Number  C	Table 25  The series and the series are series as a series are ser	EQUIPMENT/ FURNISHINGS Overhead Stowage Bin (if installed)  Date: Oct. 25, 1991  2. Number Installed  3. Number Required  4. Remarks of  (M) Binding of the proving a binding and binding a binding

Aircraft:				Revi	sion No.	Origi	nal Page:
FOKKER F-27				Date	: Oct. 25,	1991	26-1 of 2
Syste	em &	1.	2.Nu	mber	Installe	ed	
Seque	ence	RIC		3.Nu	umber Red	quire	ed for Dispatch
Numbe	ers				4.Reman	rks o	or Exceptions
26	FIRE PROTECTION						
12-2	Lavatory Smoke Detection System (if installed)	В	-	-	(M)(O)	Ma	y be inoperative provided:
						a)	the lavatory fire extinguishing system is operative; and
						b)	periodic inspections are carried ou by a crew member at intervals not exceeding 30 minutes.
							or
					(M)(O)	Ma	y be inoperative provided:
						a)	the lavatory is not used for any purpose;
						b)	the lavatory waste receptacle is empty; and,
						c)	the lavatory door is locked and placarded 'INOPERATIVE DO NOT ENTER'.
						NO	TES:
							These provisos are not intended t preclude lavatory inspections by a crew member.
							Not required for all cargo operations provided the flight deck crew are the only occupants of the aircraft.

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FOKE	KER F-27			Date	: Oct. 25,	1991	26-2 of 2		
Syste	em &	1.	2.Nu	Number Installed					
Seque	ence	RIC		3.Nu					
Numbe	ers								
26	FIRE PROTECTION								
22-1	Portable Fire Extinguishers	D	-	-		Only those in excess of regulations may be ino	1 0		
22-2	Lavatory Fire Extinguishing System (if installed)	В	-	-	(M)(O)	May be inoperative pro smoke detector is opera	· ·		
						or			
					(M)(O)	May be inoperative pro	ovided:		
						a) the lavatory is no purpose;	ot used for any		
						b) the lavatory was empty; and,	te receptacle is		
						c) the lavatory doo placarded 'INOI NOT ENTER'.			
						NOTES:			
						<ol> <li>These provisos are preclude lavatory in crew member.</li> </ol>			
						<ol><li>Not required for al provided the flight only occupants of the</li></ol>	deck crew are the		

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Syste	m &	1.	2.Nu	mber	Install	ed	
Seque	nce	RIC		3.Nu	mber Re	quired f	or Dispatch
Numbe	rs				4.Rema	rks or E	Exceptions
27	FLIGHT CONTROLS						
10-1	Aileron Trim System	A	1	0		•	inoperative for one flight day d, prior to each flight:
						'n	he trim tab is verified to be in the leutral position (RH wing outboard tab);
							uel quantities are equal i n both ving tanks; and,
							uel quantity indicators and fuel pooster pumps are operative.
10-2	Aileron Trim Position Indicator	С	1	0		May be inoperative provided, prior to each flight, the aileron trim is visually checked for:	
							uel, free and correct movement; nd,
						b) a	ppropriate position for takeoff.
20-1	Rudder Pedal Adjustment	С	2	0	(M)	individu met and	inoperative provided the ual flight crew requirements are I full rudder travel and full brake on at both pilot stations is
50-1	Wing Flap Position Indicator		1	1			

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Syste	em &	1.	2.Nu	mber	Installed		
Seque	ence	RIC		3.Nu	mber Required for Dispa	tch	
Numbe	ers				4. Remarks or Exception	S	
30	ICE AND RAIN PROTECTION						
10-5	Pressure Gauge	С	1	0	operation of the de visually verified pr	ior to each flight in cing conditions and	
30-1	Pitot Heating Systems	В	2	1		ative provided there is or known or forecast	
					If LH heater light is (vane heater eleme	s on, leave switch ON nt).	
40-1	Windshield Wipers	C	2	0	not conducted in p	e provided the flight is recipitation within five e airport of takeoff or	

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Syste	em &	1.	2.Nu	mber	Installed			
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Numbe	Numbers				4. Remarks or Exceptions			
31	INDICATING AND RECORDING							
20-1	Clock	C	1	0	As required by regula	ations.		
30-1	Flight Data Recorder	A	1	0	May be inoperative p	rovided:		
					a) the Cockpit Vo operates norm			
					b) repaires are ma flight days.	ade within three		

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Syste		1.	2.Nu	1	 Installed				
Seque		RIC		3.Nu	mber Required for Dispa	tch			
Numbe	rs				4. Remarks or Exception	S			
32	LANDING GEAR								
60-1	Landing Gear Signalling - Main Gear	A	2	0	inoperative for one the lock strut align	ownlock lights may be flight day provided ment (red lines) are for an observer in the			
	Landing Gear Signalling - Nose Gear	C	_	1		dependent nose wheel stem may be			

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Seque	ence	RIC		3.Nu	mber R	equire	d for Dispatch
Numbe	ers				r Exceptions		
33	LIGHTS						
20-1			-	-	(O)	May	be inoperative provided:
						a)	the crew call/cabin interphone system including associated chimes and the PA system are operative; and,
						b)	procedures are established and used to notify passengers when seat belts should be fastened and smoking prohibited.
							or
						prov seats SMC cann must	or more signs may be inoperative rided passenger and flight attendant from which a readily legible "NO KING/FASTEN SEATBELT" sign to be seen shall not be occupied and to be blocked and placarded "DO" COCCUPY".
40-2	Landing Lights	C	2	0		May	be inoperative for day operations.
		C	2	1		oper	may be inoperative for night ations provided the taxi li ght is ative.

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Seque	ence	RIC		3. Number Required for Dispatch					
Numbe	Numbers				4. Remarks or Exceptions	5			
33	LIGHTS								
33 40-5	Anti-Collision Light	C	1	0	must be taken to	dequate precaution o clear the area prior nd while the engines			

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Numbe	ers				4. Remarks or Exceptions				
34	NAVIGATION								
10-1	OAT Indication System		1	1					
10-2	Overspeed Warning System (if installed)		1	1					
10-3	Altitude Alerter (if installed)	A	1	0	May be inoperative for three flight days provided auto-pilot with altitude hold is operative.				
10-4	Air Data Computer (if installed)	A	1	0	May be inoperative for three flight days.				
					NOTES:				
					<ol> <li>Altitude alert and GPWS may be inoperative.</li> </ol>				
					2. Autopilot ALT, VS and IAS are not available.				

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Numbe:	Numbers						
34	NAVIGATION						
20-1	Standby Compass	В	1	0		May be inoperative pro combination of three go compass systems are of	yro stabilized
		В	1	0		May be inoperative pro	ovided:
						a) any combination stabilized compa operate normally	ass systems
						independent nav and under positi	perated with dual vigation capability ve radar control he en route flight
		С	1	0	(O)	May be inoperative for entirely within areas of unreliability provided a stabilized directional ginstalled, operative and conjunction with appronavigation techniques.	magnetic at least two yro systems are l used in
20-5	Turn and Bank Indicators (if installed)	С	2	0		As required by regulati	ions.

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Numbe	ers				4. Remarks or Except	cions			
34	NAVIGATION								
30-1	Radio Altimeter System (if installed)	A	1	-	40-1 and provi operational pro	conjunction with item 34- ded weather minima or ocedures are not on its use (i.e. no Cat II			
		C	2	1	Same proviso a	as above.			
40-1	Ground Proximity Warning System (if installed)	A	1	0		rative for three flight days nate procedures are d used.			
40-2	Weather Radar	C	1	0		rative provided forecast or her conditions do not			

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Syste	em &	1.	2.Nu	mber	Installed				
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35	OXYGEN								
35 30-1	OXYGEN Portable Oxygen	D	-	-		egulations.  s only intended for that cess of that required by			

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Numbe	ers				4. Remarks or Exceptions	3			
52	DOORS								
10-1	Passenger Door Locking Mechanism (ALL, except Mk300M and Mk400M)		1	1	All doors must be o	perative.			
11-1	Paratroop Door Locking Mechanism (only Mk300M and Mk400M)		2	2	As Item 52-10-1.				
12-1	Crew Cargo Door Locking Mechanism (only Mk100, Mk200 and Mk500F)		1	1	As Item 52-10-1.				
20-1	Emergency Exit Door Locking Mechanism (ALL, except Mk300M and Mk400M)		1	1	As Item 52-10-1.				
31-2	Crew Door Lock Pins (ALL except Mk100, Mk200 and Mk500F)		6	6	As Item 52-10-1.				
70-1	Door Unlocked Caution Light (ALL, except Mk100, Mk200 and Mk500F)		1	1	As Item 52-10-1.				