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Canada

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**TRANSPORT CANADA**

**MMEL SUPPLEMENT**

**TO**

**BELL HELICOPTER 214ST**

**MASTER MINIMUM EQUIPMENT LIST**

**Walter Istchenko**  
**Chief, Flight Test**  
**National Aircraft Certification**  
**for Minister of Transport**

**July 10, 2019**  
**Revision: Original**

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**Log of Revisions**

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**Reasons for Changes**

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This revision incorporates:

- FAA MMEL – Rev 4
- TC Guidance Book – Rev 7

- 21-2     **Heater / Defog Control Valve**  
Corrected reference to degrees F instead of degrees C.
- 23-2     **Cockpit Voice Recorder (CVR) System**  
Refer to item 31-6.
- 25-3     **Crewmember Shoulder Harness**  
Revised to require pilot flying to have operable shoulder harness.
- 25-6     **ELT**  
Added as per GB Rev 7 – 25-60-1.
- 25-8     **Passenger Convenience Item(s)**  
Refer to item 25-11.
- 25-11    **Passenger Convenience Items / NEF Items**  
Added as per GB Rev 7 – 25-20-1.
- 30-1     **Pitot Tube Heaters**  
Added “Day” requirement as per CAR 605.16.
- 31-1     **Clock**  
Added as per GB Rev 7 – 31-20-1.
- 31-6     **Cockpit Voice Recorder**  
Item added based on GB Rev 7 – 23-70-1.
- 31-7     **Flight Data Recorder**  
Item added based on GB Rev 7 – 31-30-1.
- 73-1     **Electronic Control Unit (ECU)**  
Must be operative as per AFM limitation.
- 77-4     **Engine Out Warning System**  
Must be operative.
- 77-6     **Fuel Flow Indicator System**  
Not applicable.

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**BELL HELICOPTER 214ST**

**Introduction**

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This Transport Canada MMEL Supplement constitutes a mandatory change to the FAA Approved MMEL for the Bell 214ST.

This MMEL Supplement must be used in conjunction with the FAA Approved MMEL (Revision 4 or later applicable revision).

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

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

The FAA MMEL has entries where the "Remarks or Exemptions" column makes reference to applicable 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).

This MMEL supplement uses the same format, definitions and symbols as the FAA MMEL. Items which have no MMEL relief (i.e. relief withdrawn) are not categorized.

Comments and inquiries should be directed to:

Transport Canada  
Chief, Flight Test - AARDC  
National Aircraft Certification

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			<b>3. Number Required for Dispatch</b>		
			<b>4.</b>	<b>Remarks or Exceptions</b>	
21 AIR CONDITIONING					
21-2 Heater / Defog Control Valve C		1	0	May be inoperative provided: a) Outside air temperature is above +5 degrees C (+41 degrees F), and b) Cockpit Vent blowers (Item 21-1) are operative.  OR  Heated Windshields (Item 30-5) are installed and operative.	

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			<b>3. Number Required for Dispatch</b>	
			<b>4. Remarks or Exceptions</b>	
23    COMMUNICATIONS  23-2   Cockpit Voice Recorder (CVR) System				Refer to Cockpit Voice Recorder (Item 31-6).



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			<b>3.</b>	<b>Number Required for Dispatch</b>	
				<b>4.</b>	<b>Remarks or Exceptions</b>
25	EQUIPMENT / FURNISHINGS				
25-3	Crewmember Shoulder Harness	D	2	1	(O) Copilot's shoulder harness may be inoperative for single pilot operations, provided the seat is blocked and placarded DO NOT OCCUPY.
25-6	ELT	D	-	-	Any in excess and not required by regulations may be inoperative.
		A	-	-	(M) May be inoperative provided: a) Placard is displayed in the flight deck indicating the date the ELT has been removed, and b) Repair or replacement is made within the time interval prescribed by regulations.
25-8	Passenger Convenience Item(s)				Refer to Passenger Convenience Items / NEF Items (Item 25-11).

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				<b>3.</b>	<b>Number Required for Dispatch</b>	
					<b>4.</b>	<b>Remarks or Exceptions</b>
<p>25 EQUIPMENT / FURNISHINGS</p> <p>25-11 Passenger Convenience Items / NEF Items</p> <p style="margin-left: 40px;">1) Passenger Convenience Items</p> <p style="margin-left: 40px;">2) Non-Essential Equipment and Furnishings (NEF)</p>	-	-	0	0	<p>NOTES:</p> <p>1. Operators are to select either Passenger Convenience Items or NEF (Non-Essential Equipment and Furnishings) in their MELs.</p> <p>2. For operators with NEF defect rectification and control procedures, refer to sub-item 2) (NEF) only.</p> <p>Passenger convenience items as expressed in this MMEL are those related to passenger convenience comfort or entertainment. Items addressed elsewhere in this document shall not be included.</p> <p>(M) and (O) procedures may be required and included in the MEL.</p> <p>May be inoperative, damaged or missing provided that the item(s) is deferred in accordance with the operator's defect rectification and control procedures. The NEF policies are outlined in the operator's Maintenance Control Manual.</p> <p>(M) and (O) procedures, if required, must be available to the flight crew and included in the operator's appropriate document.</p>	

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			<b>3. Number Required for Dispatch</b>		
			<b>4.</b>	<b>Remarks or Exceptions</b>	
30 ICE AND RAIN PROTECTION					
30-1 Pitot Tube Heaters	B	3	0	May be inoperative provided: a) For day VFR, b) Ambient temperatures are above +4.5 degrees C (+40 degrees F), and c) Operations are not conducted in precipitation.	

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				4. Remarks or Exceptions	
31	INDICATING / RECORDING SYSTEMS				
31-1	Clock Displaying Hours, Minutes, and Seconds with Sweep-Second Pointer or Digital Presentation	C	-	-	Aircraft clock may be inoperative provided a reliable and functioning timepiece is readily available to all flight deck crew members.
31-6	Cockpit Voice Recorder				
	1) If CVR required by regulations	A	1	0	May be inoperative provided repairs are made within three flight days.
	2) If CVR not required by regulations	D	1	0	
31-7	Flight Data Recorder	D	1	0	
	1) Recording parameters	A	-	-	May be inoperative provided repairs are made before the completion of the next heavy maintenance visit.

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			<b>3.</b>	<b>Number Required for Dispatch</b>	
				<b>4.</b>	<b>Remarks or Exceptions</b>
73 ENGINE FUEL AND CONTROL					
73-1 Electronic Control Unit (ECU) -		2	2		Must be operative.

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			<b>3.</b>	<b>Number Required for Dispatch</b>	
				<b>4.</b>	<b>Remarks or Exceptions</b>
77	ENGINE INDICATING				
77-4	Engine Out Warning System	-	2	2	Must be operative.
77-6	Fuel Flow Indicator System	-		-	Not Applicable to BH-214ST.