



CASR Part 142 [Sample Exposition & Guide](#)

Version History as of November 2018

Revision History Details

Version and Date:

- Version 3.0 - October 2018
- Version 3.1 - November 2018

General updates (Exposition & Guide):

- Formatting, typos, rewording, regulatory reference updates etc
- CORRECTION 16/11/2018: 2B5.2.4 Point of no return (PNR) selection and calculation – Formatting errors corrected to reflect PNR calculations in CAAP 215-1(3), Annex B
- CORRECTION 16/11/2018: Corrected numbering in Revision Summary table below: 2B5.2.1; 2B5.2.2; 2B5.2.3; and 2B5.2.4.

Content updates (detailed in the table below):

- Fuel – CAR234 (Exposition & Guide)
 - Regulation changes to enhance aviation safety, to remove uncertainty between rules and guidance material, as well as reflecting international standards for fuel requirements. **Refer to CAR 234 Amendment 2018; CAR 234 Fuel Requirements Instrument 2018; CAAP 234-1 (2); CAAP 215-1 (3).**
 - The sample exposition has been updated with content that is effective on 8th November 2018.
 - If fuel policy details are contained in another manual, refer to that location and include information below as required

Version N°.	Section Refs	Title	Details of the update	Applicability	
				Sample Exposition	Guide
3.0	2B	Fuel Policy	Additional sections, content and guidance added to reflect CAR234 requirements – see details below	✓	✓
3.0	2B1	Purpose	Section and content added Action required: update content in manual as required	✓	✓
3.0	2B2	Minimum fuel planning requirements	Additional sample text included providing a more detailed explanation of taxi fuel; trip fuel; alternate fuel; fixed reserves; additional fuel; holding fuel; discretionary fuel; fuel margins and endurance. Action required: update content in manual as required	✓	✓



Version N°.	Section Refs	Title	Details of the update	Applicability	
				Sample Exposition	Guide
3.0	2B2.1	Fuel operating conditions	<p>New section and sample text added</p> <p>Consideration required regarding anticipated aircraft weight or range of weights; NOTAMS; meteorological reports and forecasts; ATC services, procedures, restrictions and anticipated delays; the effects of deferred maintenance items and/or configuration deviations; and one-engine inoperative considerations</p> <p>Action required: update content in manual as required</p>	✓	✓
3.0	2B3	Fuel flow rates	<p>Sample text content updated</p> <p>Action required: update content in manual as required</p>	✓	✓
3.0	2B4	Discretionary fuel for solo training flights	<p>New section and sample text added</p> <p>Action required: update content in manual as required</p>	✓	✓
3.0	2B5	Fuel related procedures	<p>Retitle of section from “Fuel quantity measurement” and sub sections added</p> <p>Action required:</p> <ul style="list-style-type: none"> • update title as required • review content and relocate in relevant sub section as required 	✓	✓
3.0	2B5.1	Determining and recording fuel quantity – pre-flight	<p>New section and sample text added</p> <p>Action required: insert section and content in manual as required</p>	✓	✓
3.0	2B5.2.1	Determining and recording fuel quantity – in-flight	<p>New section and sample text added</p> <p>Action required: insert section and content in manual as required</p>	✓	✓
3.0	2B5.2.2	Considerations at point of inflight decision – making and/or decision point	<p>New section and sample text added</p> <p>Action required: insert section and content in manual as required</p>	✓	✓
3.0	2B5.2.3	Equi-time point (ETP) selection and calculations	<p>New section and sample text added</p> <p>Action required: insert section and content in manual as required</p>	✓	✓
3.1	2B5.2.4	Point of no return (PNR) selection and calculation	<p>CORRECTION 16/11/2018</p> <p>Action required: correct and verify PNR calculations as provided</p>	✓	✓



Version N°.	Section Refs	Title	Details of the update	Applicability	
				Sample Exposition	Guide
3.0	2B5.2.4	Point of no return (PNR) selection and calculation	New section and sample text added Action required: insert section and content in manual as required	✓	✓
3.0	2B5.3	Determining and monitoring fuel quantity – post flight	New section and sample text added Action required: insert section and content in manual as required	✓	✓
3.0	2B6	Fuel types	Sample text content updated Action required: update content in manual as required	✓	✓
3.0	2B7	Fuel usage monitoring	Sample text content updated Action required: update content in manual as required	✓	✓
3.0	2B8	Aircraft refuelling	Retitle of section from “Aeroplane refuelling” Sample text content updated providing more detailed information about external safety precautions; distances while refuelling/defueling; and fire extinguishers on hand Action required: update title and sample text as required	✓	✓
3.0	2B8.1	Action in the event of a fire hazard	New section and sample text added providing more detailed information about fire hazards; and spillage. Action required: insert section and content in manual as required	✓	✓
3.0	2B9	Refuelling by students	New section and sample text added Action required: insert section and content in manual as required	✓	✓
3.0	2B10	Fuel quality check	Sample text content updated Action required: update content in manual as required	✓	✓
3.0	2B11	Engine oil and hydraulic fluid management	Retitle of section from “Engine oil management” Sample text content updated providing more detailed information about the inclusion of hydraulic fluids Action required: update content in manual as required	✓	✓