



Mapping of Civil Aviation Orders to Part 91 of CASR - General operating and flight rules

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This document contains guidance material intended to assist CASA officers, delegates and the aviation industry in understanding the operation of the aviation legislation. However, you should not rely on this document as a legal reference. Refer to the civil aviation legislation including the *Civil Aviation Act 1988* (Cth), its related regulations and any other legislative instruments—to ascertain the requirements of, and the obligations imposed by or under, the law.

Glossary

Acronyms and abbreviations

Acronym / abbreviation	Description
AIP	Aeronautical Information Publication
AMC/GM	Acceptable Means of Compliance and Guidance Material
AOC	Air Operator's Certificate
CAO	Civil Aviation Order
CAR	<i>Civil Aviation Regulations 1988</i>
CASA	Civil Aviation Safety Authority
CASR	<i>Civil Aviation Safety Regulations 1998</i>
EFIS	electronic flight information system
ELT	emergency locator transmitter
ICAO	International Civil Aviation Organization
LSALT	lowest safe altitude
MOS	Manual of Standards

References

Regulations are available on the Federal Register of Legislation website
<https://www.legislation.gov.au/>

Document	Title
Civil Aviation Regulations	<i>Civil Aviation Regulations 1988</i>
Civil Aviation Safety Regulations	<i>Civil Aviation Safety Regulations 1998</i>
Part 91 of CASR	General operating and flight rules
Part 105 of CASR	Parachuting from aircraft
Part 119 of CASR	Australian air transport operators—certification and management
Part 121 of CASR	Australian air transport operations—larger aeroplanes
Part 131 of CASR	Balloons and hot air airships
Part 133 of CASR	Australian air transport operations—rotorcraft
Part 135 of CASR	Australian air transport operations—smaller aeroplanes
Part 137 of CASR	Aerial application operations—other than rotorcraft
Part 138 of CASR	Aerial work operations
Part 139 of CASR	Aerodromes

Document	Title
Part 91 AMC/GM	Part 91—General operating and flight rules Acceptable means of compliance and guidance material

Revision History

Amendments/revisions of this Handbook are recorded below in order of the most recent first.

Version No.	Date	Parts/Sections	Details
2.0	April 2021	All	Second Issue
1.0	January 2021	All	First issue

Introduction

This document has been developed to assist pilots and operators transition from the existing general operating and flight rules to those that commence on 2 December 2021. It provides a guide to where provisions of the Civil Aviation Orders (CAOs) that relate to flight operations have been incorporated into Part 91 of the *Civil Aviation Safety Regulations 1998* (CASR).

Part 91 of CASR prescribes the general operating and flight rules, including rules for take-off and landing, minimum heights and airspeed limitations, as well as other operational matters. It primarily retains existing rules with a small number of new rules designed to enhance operational flexibility, safety, and compliance with International Civil Aviation Organization (ICAO) standards.

This document lists regulations from Part 91 of CASR against CAO subsections. The location of requirements (if any) in the Part 91 Manual of Standards are also shown.

If a similar provision is not contained in Part 91 of CASR, this is indicated by a '—'.

The comments provide a brief outline of any key difference between the existing and the new regulations, as well as other explanatory material and related provisions. Refer to the regulations and associated MOS sections for full requirements. A number of the new regulations are outcome-based and the prescriptive requirements of the CAOs have not been included in Part 91 of CASR.

Parts 121, 133, 135 and 138 of CASR each contain regulations that apply in addition to the Part 91 of CASR regulations, and which, in some cases, replace the Part 91 of CASR requirement either completely or partially. Regulations that replace the Part 91 of CASR requirement have been referenced in this document for information purposes. Further details about the flight operations regulations that apply to operations under Parts 121, 133, 135 and 138 of CASR are contained in separate mapping documents.

This document should be read in conjunction with the relevant regulations. Guidance material is provided in the Part 91 AMC/GM document and advisory circulars, available on the CASA website.

The Civil Aviation Orders are available via the [CASA website](#).

[Part 91 of CASR](#) and the [Part 91 Manual of Standards](#) are available on the Federal Register of Legislation website.

The Part 91 AMC/GM is available on the [CASA website](#).

Definitions are provided in the CASR Dictionary, the applicable CASR Part or its MOS. Refer to the CASA Flight operations regulations - consolidated dictionary, also available on the [CASA website](#).



Mapping of Civil Aviation Orders to Part 91 of CASR - General operating and flight rules

Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
20.2 Air service operations — safety precautions before flight						
20.2.2	Removal of locking and safety devices	91.245	Matters to be checked before take-off	Chapter 10 (10.02)	Other provisions 91.095 Compliance with flight manual etc. 91.215 Authority and responsibilities of the pilot in command	
20.2.3	Security of doors and hatches					
20.2.4	Precautions before solo flight in aircraft fitted with dual controls					
20.2.5	Fuel system inspection	91.465	Contaminated, degraded or inappropriate fuels			
20.2.6	Fuel quantity measurement	—			Refer to the following CASR Parts for the requirements relating to fuel procedures under that Part: <ul style="list-style-type: none"> • Part 121—Australian air transport operations—larger aeroplanes • Part 133—Australian air transport operations—rotorcraft • Part 135—Australian air transport operations—smaller aeroplanes • Part 138—Aerial work operations. 	
20.3 Air service operations — Marshalling and parking of aircraft						
20.3.1	Application	—				
20.3.2	Responsibility for marshalling and parking aircraft	91.670	Standard visual signals		Regulation 91.670 of CASR prescribes that a person who displays a signal to an aircraft (other than a glider) for the purposes of marshalling the aircraft must use a standard visual signal. Refer to the following CASR Parts for additional requirements relating to procedures for safety at aerodromes under that Part: <ul style="list-style-type: none"> • Part 121—Australian air transport operations—larger aeroplanes • Part 133—Australian air transport operations—rotorcraft • Part 135—Australian air transport operations—smaller aeroplanes • Part 138—Aerial work operations. 	
20.3.3	Parking areas	—			Refer to Part 139 of CASR—Aerodromes for the requirements relating to designated parking areas on aerodromes. Regulation 91.420 Parked aircraft not to create a hazard (is a new provision prescribing that an aircraft must not be parked in a place where it is a hazard to the movement of other aircraft).	
20.3.4	Standard hand signals	91.670	Standard visual signals		<i>Standard visual signal</i> is defined in the CASR Dictionary. Details of marshalling signals are shown in Appendix 1 of the Part 91 AMC/GM document.	
Appendix 1	Standard hand signals to be used by ground personnel marshalling aircraft					
					Other provisions Part 91 MOS Division 2.3 Definition of <i>standard visual signal</i> .	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *	
20.4 Provision and use of oxygen and protective breathing equipment							
20.4.1	Application	—					
20.4.2	Interpretation	—					
20.4.3	Equipment standards	Subpart 91.K	Equipment	Chapter 26 Division 26.11 (26.47)	Refer to CAO 108.26 for equipment standards.	Subpart 121.K, 133.K or 135.K	
20.4.4	Duties of crew members in relation to oxygen and protective breathing equipment	91.245	Matters to be checked before take-off	Chapter 10 (10.02(j))			
		91.565	Passengers—safety briefings and instructions	Chapter 20 Division 20.3			
20.4.5	Information to be included in operations manual and flight manual	—			Refer to the following CASR Parts: <ul style="list-style-type: none"> • Part 121—Australian air transport operations—larger aeroplanes • Part 133—Australian air transport operations—rotorcraft • Part 135—Australian air transport operations—smaller aeroplanes • Part 138—Aerial work operations. 		
20.4.6	Supplemental oxygen requirements for unpressurised aircraft	Subpart 91.K	Equipment	Chapter 26 Division 26.11 (26.43)	Part 91 of CASR prescribes new and simplified requirements for the carriage and use of supplemental oxygen for flights that are not air transport flights.	Subpart 121.K, 133.K or 135.K	
20.4.7	Supplemental oxygen requirements for pressurised aircraft engaged in flights not above FL250			Chapter 26 Division 26.11 (26.43)			
20.4.8	Supplemental oxygen requirements for pressurised aircraft engaged in flights above FL250			Chapter 26 Division 26.11 (26.43, 26.44)			
20.4.9	First aid oxygen			Chapter 26 (26.47)			The Part 91 MOS prescribes new requirements for the carriage of first aid oxygen by pressurised aircraft that require at least 2 pilots by the aircraft flight manual. Until immediately before 2 December 2023, a relevant aircraft can either comply with requirements in CAOs 20.4 and 108.26, or carry first aid oxygen in accordance with the Part 91 MOS.
20.4.10	Protective breathing equipment			Chapter 26 (26.45 and 26.46)			
20.6 Continuation of flight with 1 or more engines inoperative							
20.6.2	Application	—					
20.6.3	Requirements	91.680	Pilot in command to report emergencies				

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
		91.685	Multi-engine aircraft—pilot in command to land at nearest suitable aerodrome if emergency occurs			
20.7.0 Aeroplane weight limitations - general						
20.7.0.2	Application	—			Declared density altitude charts have not been included in the CASR.	
20.7.0.3	Definitions	—			Regulation 91.230 of CASR and Chapter 7 of the Part 91 MOS prescribe the requirements relating to flight preparation and weather assessments.	
20.7.0.4	Declared density altitude charts (and Appendices 1-3)	—				
20.7.1 Aeroplane weight limitations - aeroplanes above 5 700 kg - all operations (piston-engined)						
20.7.1.1	Application	—				
20.7.1.2	Take-off weight limitations	91.795	Take-off performance	Chapter 24	The prescriptive requirements contained in CAO 20.7.1 have not been included in Part 91 of CASR. The pilot in command is responsible for ensuring the aeroplane is loaded within its weight and balance limits and has the performance to clear all obstacles by a safe margin.	Subpart 121.F, 135.F or 138.F
20.7.1.3	Landing weight limitations	91.800	Landing performance	Chapter 25	The Part 91 MOS prescribes the matters to be taken into account and the documents to be used when determining the performance of the aeroplane. Refer to the following CASR Parts for the aeroplane weight limitation and performance requirements under that Part: <ul style="list-style-type: none"> Part 121—Australian air transport operations—larger aeroplanes Part 135—Australian air transport operations—smaller aeroplanes Part 138—Aerial work operations. Other provisions 91.055 Aircraft not to be operated in manner that creates a hazard 91.095 Compliance with flight manual etc. 91.215 Authority and responsibilities of pilot in command 91.805 Loading of aircraft	
Appendix 1	CASA take-off weight charts - P series - instructions for use	—			The CASA P-series charts have not been included in the CASR.	
Appendix 2	CASA landing weight charts - P series - instructions for use	—				
20.7.1B Aeroplane weight and performance limitations - specified aeroplanes above 5700kg, or 2722 kg if driven by 2 or more jet engines - all operations						
20.7.1B.2	Application	91.795	Take-off performance	Chapter 24	The prescriptive requirements contained in CAO 20.7.1B have not been included in Part 91 of CASR. The pilot in command is responsible for ensuring the aeroplane has the performance to clear all obstacles by a	Subpart 121.F, 135.F or 138.F
20.7.1B.3	Definitions	91.800	Landing performance	Chapter 25		

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
20.7.1B.4	Take-off weight limitations				safe margin.	
20.7.1B.5	Landing weight limitations				<p>The Part 91 MOS prescribes the matters to be taken into account and the documents to be used when determining the performance of the aeroplane.</p> <p>Refer to the following CASR Parts for the aeroplane weight and performance limitations under that Part:</p> <ul style="list-style-type: none"> Part 121—Australian air transport operations—larger aeroplanes Part 135—Australian air transport operations—smaller aeroplanes Part 138—Aerial work operations. <p>Other provisions</p> <p>91.055 Aircraft not to be operated in manner that creates a hazard 91.095 Compliance with flight manual etc. 91.215 Authority and responsibilities of pilot in command 91.805 Loading of aircraft</p>	
20.7.1B.6	Accelerate-stop and take-off distance required					
20.7.1B.7	Take-off climb performance					
20.7.1B.8	En-route climb performance					
20.7.1B.9	Approach climb performance					
20.7.1B.10	Landing climb performance					
20.7.1B.11	Landing distance required					
20.7.1B.12	Obstacle clearance requirements					
20.7.1B.12A	Alternative take-off area requirements					
20.7.1B.14	Aeroplane configuration and procedures					
20.7.2 Aeroplane weight and performance limitations - aeroplanes not above 5700kg - regular public transport operations						
		—			Refer to Part 135 of CASR—Australian air transport operations—smaller aeroplanes.	
20.7.4 Aeroplane weight and performance limitations - aeroplanes not above 5 700kg - private, aerial work (excluding agricultural) and charter operations						
20.7.4.2	Application	91.795	Take-off performance	Chapter 24	<p>The prescriptive requirements contained in CAO 20.7.4 have not been included in Part 91 of CASR. The pilot in command is responsible for ensuring the aeroplane has the performance to clear all obstacles by a safe margin.</p> <p>The Part 91 MOS prescribes the matters to be taken into account and the documents and data to be used when determining the performance of the aeroplane.</p> <p>Refer to the following CASR Parts for the aeroplane weight and performance limitations under that Part:</p> <ul style="list-style-type: none"> Part 135—Australian air transport operations—smaller aeroplanes Part 138—Aerial work operations. <p>Other provisions</p> <p>91.055 Aircraft not to be operated in manner that creates a hazard</p>	Subpart 135.F or 138.F
20.7.4.3	Definitions	91.800	Landing performance	Chapter 25		
20.7.4.4	Take-off weight limitations					
20.7.4.5	Landing weight limitations					
20.7.4.6	Take-off distance required					
20.7.4.7	Take-off climb performance					

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
20.7.4.8	En-route climb performance	—			91.095 Compliance with flight manual etc. 91.215 Authority and responsibilities of pilot in command 91.805 Loading of aircraft	
20.7.4.9	Landing climb performance					
20.7.4.10	Landing distance required					
20.7.4.12	Aeroplane configuration and procedures	—				
20.9 Air service operations - precautions in refuelling, engine and ground radar operations						
20.9.2	Application	—				
20.9.3	Fuel and oils	91.465	Contaminated, degraded or inappropriate fuels		The responsibility for ensuring an aircraft is not fuelled with contaminated, degraded or inappropriate fuel has been extended to the fuel supplier and refueller. Other provisions 91.095 Compliance with flight manual etc.	
20.9.4	Fuelling of aircraft	91.470	Fire hazards			
		91.510	Fuelling aircraft—persons on aircraft, boarding or disembarking		The pilot in command or the operator of the aircraft must hold an approval under regulation 91.045 of CASR if, when fuelling an aircraft with fuel other than highly volatile fuel, a person who is not a crew member is onboard, boarding or disembarking the aircraft. Refer to the CASA Flight operations regulations - consolidated dictionary for the definition of <i>highly volatile fuel</i> .	121.240, 133.195, 135.220 or 138.302
		91.480	Fuelling aircraft—electrical bonding			
		91.485	Equipment or electronic devices operating near aircraft			
		91.490	Fuelling turbine-engine aircraft—low-risk electronic devices			
		91.515	Fuelling aircraft if fuel vapour detected			
		91.475	Fuelling aircraft—fire fighting equipment			
20.9.5	Starting and ground operations of engines	91.470	Fire hazards		Other provisions 91.055 Aircraft not to be operated in manner that creates a hazard	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
20.9.6	Ground operation of aircraft radar equipment	—			These provisions have not been included in Part 91 of CASR. Refer to the following regulations for requirements relating to fire hazards and the operation of equipment during refuelling: <ul style="list-style-type: none"> 91.470 Fire hazards 91.485 Equipment or electronic devices operating near aircraft. Refer to AC 91-25 - Fuel and oil safety ¹ for guidance.	
Appendix 1	Fire safety requirements to be met by mechanical and electrical equipment within 15 metres etc	—				
20.10 Hot refuelling - helicopters						
20.10.1	Meaning of hot refuelling	—			Referred to as <i>hot fuelling</i> in Part 91 of CASR.	
20.10.1A	Application	—			Part 91 of CASR permits hot fuelling in turbine-engine aircraft only. Refer to regulation 91.495 Only turbine-engine aircraft to be hot fuelled.	
20.10.2	Operator's responsibilities	—			Refer to Part 138 of CASR—Aerial work operations.	
20.10.3	Responsibilities of pilot in command	91.095	Compliance with flight manual etc.			
		91.500	Hot fuelling aircraft—general			138.300
		91.505	Hot fuelling aircraft—procedures etc.			
		91.510	Fuelling aircraft—persons on aircraft, boarding or disembarking		The pilot in command or the operator of the aircraft must hold an approval under regulation 91.045 of CASR if, when fuelling an aircraft with fuel other than highly volatile fuel, a person who is not a crew member is onboard, boarding or disembarking the aircraft. Refer to the CASA Flight operations regulations - consolidated dictionary for the definition of <i>highly volatile fuel</i> .	121.240, 133.195, 135.220 or 138.302
20.10.4	Procedures and equipment	91.505	Hot fuelling aircraft—procedures etc.			138.300
		91.475	Fuelling aircraft—fire fighting equipment			
20.10.5	Fuel loading	91.455	Fuel requirements	Chapter 19 (19.04, 19.05)		Division 121.D.6, 133.D.6 or 135.D.6
		91.480	Fuelling aircraft—electrical bonding			
		91.500	Hot fuelling aircraft—general		Open system hot fuelling is not permitted by Part 91 of CASR.	138.300
20.10.6	Radio transmissions	—			These provisions have not been included in Part 91 of CASR. Refer to the following regulations for requirements relating to the operation of equipment during fuelling: <ul style="list-style-type: none"> 91.485 Equipment or electronic devices operating near aircraft 91.490 Fuelling turbine—engine aircraft—low-risk electronic devices. 	

¹ At the time of publication of this document, this AC is under development. Once published, it will be available from the CASA website.

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
					Refer to AC 91-25 - Fuel and oil safety ² for guidance in relation to the operation of an HF transmitter or radar equipment during fuelling.	
20.10.7	Inspection and testing of fuel system	—			This provision has not been included in Part 91 of CASR; however, regulation 91.465 of CASR prescribes requirements relating to contaminated, degraded or inappropriate fuels. Refer to Part 138 of CASR—Aerial work operations for requirements relating to hot fuelling for operations under that Part.	
20.10.1 Hot refuelling - turbine engine aeroplane engaged in aerial work or private operations						
20.10.1.1	Interpretation	—			Referred to as <i>hot fuelling</i> in Part 91 of CASR.	
20.10.1.2	Application	—			Part 91 of CASR permits hot fuelling in turbine-engine aircraft only. Refer to regulation 91.495 of CASR. For requirements relating to hot fuelling during aerial work operations, refer to Part 138 of CASR—Aerial work operations.	
20.10.1.3	Operator's or owner's responsibilities	91.500	Hot fuelling aircraft—general		Other provisions 91.095 Compliance with flight manual etc.	138.300
		91.505	Hot fuelling aircraft—procedures etc.			138.300
20.10.1.4	Responsibilities of pilot in command	91.500	Hot fuelling aircraft—general		Other provisions 91.095 Compliance with flight manual etc.	138.300
		91.505	Hot fuelling aircraft—procedures etc.			138.300
		91.510	Fuelling aircraft—persons on aircraft, boarding or disembarking			The pilot in command or the operator of the aircraft must hold an approval under regulation 91.045 of CASR if, when fuelling an aircraft with fuel other than highly volatile fuel, a person who is not a crew member is onboard, boarding or disembarking the aircraft. Refer to the CASA Flight operations regulations - consolidated dictionary for the definition of <i>highly volatile fuel</i> .
20.10.1.5	Procedures and equipment	91.505	Hot fuelling aircraft—procedures etc.			138.300
		91.475	Fuelling aircraft—fire fighting equipment			
20.10.1.6	Fuel loading	91.455	Fuel requirements	Chapter 19 (19.04, 19.05)		Division 121.D.6, 133.D.6 or 135.D.6

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*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
		91.480	Fuelling aircraft—electrical bonding			
		91.500	Hot fuelling aircraft—general		Open system hot fuelling is not permitted by Part 91 of CASR.	138.300
20.10.1.7	Radio transmissions	—			<p>These provisions have not been included in Part 91 of CASR. Refer to the following regulations for requirements relating to the operation of equipment during fuelling:</p> <ul style="list-style-type: none"> 91.485 Equipment or electronic devices operating near aircraft 91.490 Fuelling turbine—engine aircraft—low-risk electronic devices. <p>Refer to AC 91-25 - Fuel and oil safety³ for guidance.</p>	
20.10.1.8	Inspection and testing of fuel system	—			<p>This provision has not been included in Part 91 of CASR; however, regulation 91.465 of CASR prescribes requirements relating to contaminated, degraded or inappropriate fuels.</p> <p>Refer to Part 138 of CASR—Aerial work operations for requirements relating to hot fuelling for operations under that Part.</p>	
20.11 Emergency and life saving equipment and passenger control in emergencies						
20.11.1	Application	—				
20.11.2	Definitions	—				
20.11.3	Maintenance of emergency and lifesaving equipment	Subpart 91.K	Equipment	Chapter 26 Division 26.1 (26.01)	Other provisions 91.245 Matters to be checked before take-off Part 91 MOS Chapter 10 (10.02(d))	Subpart 121.K, 133.K or 135.K
20.11.5	Flotation equipment for overwater flights	Subpart 91.K	Equipment	Chapter 26 Division 26.14	Part 91 of CASR includes revised provisions for: <ul style="list-style-type: none"> the carriage, stowage and wearing of life jackets determining the number of life rafts required. 	Subpart 121.K, 133.K or 135.K
20.11.6	Emergency signalling equipment	Subpart 91.K	Equipment	Chapter 26 Division 26.12	'Automatic ELT' and 'survival ELT' replace the terms 'approved ELT' and 'approved portable ELT', respectively. Apart from a minor technical amendment included in the requirements for an automatic ELT, details are unchanged.	Subpart 121.K, 133.K or 135.K
20.11.6A	Portable megaphones	—			Refer to Part 121 of CASR—Australian air transport operations—larger aeroplanes.	
20.11.7	Survival equipment	Subpart 91.K	Equipment	Chapter 26 Division 26.13 (26.62) Division 26.15 (26.64)		Subpart 121.K, 133.K or 135.K

³ At the time of publication of this document, this AC is under development. Once published, it will be available from the CASA website.

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Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
20.11.8	Accessories for water operations	Subpart 91.K	Equipment	Chapter 26 Division 26.14 (26.55)	For flights conducted on or over water to which the International Regulations apply, the Part 91 MOS prescribes the carriage of equipment for making the sound signals required by the International Regulations. <i>International Regulations</i> is defined in the CASR Dictionary.	Subpart 121.K, 133.K or 135.K
20.11.9	Illumination of emergency exits	—			Refer to Part 121 of CASR—Australian air transport operations—larger aeroplanes.	
20.11.10	Emergency procedures	—			These subsections relate to aircraft engaged on charter or regular public transport operations (air transport operations under the CASR) and have not been included in Part 91 of CASR; however, Part 91 prescribes a new requirement for the carriage of cabin crew on certain flights. Refer to the following regulations: <ul style="list-style-type: none"> 91.820 Cabin crew—when required 91.825 Cabin crew—number 91.830 Cabin crew—knowledge of emergency and safety equipment and procedures. 	
20.11.11	Assignment of emergency duties	—				
20.11.12	Crew member proficiency in the execution of emergency procedures	—				
20.11.13	Cabin attendants	—				
20.11.14	Briefing of passengers	91.565	Passengers—safety briefings and instructions	Chapter 20 Division 20.3	Other provisions 91.570 Passengers—safety directions by pilot in command 91.575 Passengers—compliance with safety directions 91.580 Passengers—compliance with safety instructions by cabin crew (a new requirement to clarify the authority of cabin crew).	121.285, 133.240 or 135.280
		91.540	Means of passenger communication			
20.11.15	Demonstration of emergency evacuation procedures	—			Refer to Part 121—Australian air transport operations—larger aeroplanes.	
Appendix II	Criteria for ditching demonstration	—				
Appendix III	Designated remote areas	Subpart 91.K	Equipment	Chapter 26 Division 26.15		
Appendix IV	Crew member emergency procedures proficiency test	—				
20.13 Air service operations - cockpit check systems						
		—			CASA approval of cockpit check systems is not required under the CASR.	
20.16.1 Air service operations - loading - general						
20.16.1.1	Application	—				
20.16.1.2	Definitions	—				
20.16.1.3	Loading system	91.805	Loading of aircraft			Subpart 121.J, 133.J, 135.J or

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
						138.J
20.16.1.5	Load sheets	91.115	Carriage of documents—flights that begin or end outside Australian territory		Regulation 91.115 of CASR prescribes the carriage of certain documents on international flights, including a manifest and detailed declaration of any cargo carried (other than passenger baggage).	Division 121.C.3, 133.C.3 or 135.C.3
20.16.1.7	Passenger lists	91.115	Carriage of documents—flights that begin or end outside Australian territory		Regulation 91.115 of CASR prescribes the carriage of certain documents on international flights, including a passenger list. Refer to the following CASR Parts for the requirements relating to the carriage of passenger lists under that Part: <ul style="list-style-type: none"> • Part 121—Australian air transport operations—larger aeroplanes • Part 133—Australian air transport operations—rotorcraft • Part 135—Australian air transport operations—smaller aeroplanes. 	
20.16.2 Air service operations—loading—general						
20.16.2.1	Application	—				
20.16.2.2	Definitions	—				
20.16.2.3	Restraint	91.585	Restraint and stowage of cargo			
		91.590	Restraint and stowage of carry-on baggage		Other provisions 91.595 Restraint and stowage of certain aircraft equipment	121.265
20.16.2.4	Stowage	91.600	Carriage of cargo—general		Cargo must not obstruct, or restrict access to, an emergency exit unless the pilot in command or operator holds an approval under regulation 91.045 of CASR. Other provisions 91.095 Compliance with flight manual etc. 91.060 Unauthorised travel or placing of cargo on aircraft	
		91.605	Carriage of cargo—cargo compartments		A new requirement to ensure fire fighting access to cargo compartments (on flights where more than one flight crew member is required by the aircraft flight manual, or another provision of CASR).	
20.16.2.5	Cargo on a passenger seat	91.585	Restraint and stowage of cargo		Cargo carried on an unoccupied seat may exceed 77 kg if the seat manufacturer permits it. CASA approval of a seat loading scheme is not required. Other provisions 91.095 Compliance with flight manual etc.	
		91.610	Carriage of cargo—unoccupied seats			
20.16.2.6	Cargo in a pilot compartment	91.600	Carriage of cargo—general			

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
		91.610	Carriage of cargo—unoccupied seats			
20.16.2.7	Placarding	91.615	Carriage of cargo—loading instructions		Other provisions 91.060 Unauthorised travel or placing of cargo on aircraft	
20.16.3 Air service operations—carriage of persons						
20.16.3.1	Application	—				
20.16.3.2	Definitions	—				
20.16.3.3	Seats	91.550	Seating for flight crew members			
		91.555	Seating for crew members other than flight crew members		Other provisions 91.535 Crew safety during turbulence	138.375
		91.560	Restraint of infants and children	Chapter 20 Division 20.2		
		91.570	Passengers—safety directions by pilot in command		Other provisions 91.060 Unauthorised travel or placing of cargo on aircraft 91.575 Passengers—compliance with safety directions	
20.16.3.4	Seat belts and safety harnesses	91.550	Seating for flight crew members		Other provisions 91.545 Seating for persons on aircraft 91.565 Passengers—safety briefings and instructions	
		91.555	Seating for crew members other than flight crew members			138.375
		91.540	Means of passenger communication			
		91.560	Restraint of infants and children	Chapter 20 Division 20.2		
		91.570	Passengers—safety directions by pilot in command			
		Subpart 91.K	Equipment	Chapter 26 Division 26.10 (26.42)		Subpart 121.K, 133.K or 135.K
20.16.3.5	Adjustment of seats	91.570	Passengers—safety directions by pilot in command		Other provisions 91.575 Passengers—compliance with safety directions 91.580 Passengers—compliance with safety instructions by cabin crew	
20.16.3.6	Cabin attendants	—			Refer to Part 121 of CASR—Australian air transport operations—larger aeroplanes.	
20.16.3.6A	Manned balloons and hot air airships	—			Refer to Part 131 of CASR—Balloons and hot air airships.	
20.16.3.7	Aisles	—			Refer to Part 121 of CASR—Australian air transport operations—larger aeroplanes.	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
20.16.3.8	Smoking	91.530	When smoking not permitted		Smoking is now taken to include electronic cigarettes.	
20.16.3.9	Stowage of loose articles	91.590	Restraint and stowage of carry-on baggage		Other provisions 91.170 Operation of portable electronic devices (the pilot in command may permit the use of portable electronic devices during flight (rather than requiring them to be stowed at prescribed times) if the use will not affect the safety of the aircraft). Refer to the following CASR Parts for the requirement to have documented procedures about the use of portable electronic devices under that Part: <ul style="list-style-type: none"> • Part 121—Australian air transport operations—larger aeroplanes • Part 133—Australian air transport operations—rotorcraft • Part 135—Australian air transport operations—smaller aeroplanes. 	121.265
		91.600	Carriage of cargo—general			
20.16.3.10	Passenger service	91.595	Restraint and stowage of certain aircraft equipment			121.265
20.16.3.11	Carriage of passengers in seats at which dual controls are fitted	91.565	Passengers—safety briefings and instructions	Chapter 20 Division 20.3 (20.06 (r))	Other provisions 91.155 Manipulating flight controls	121.285, 133.240 or 135.280
20.16.3.12	Passenger capacity	—			The provisions in paragraph 12.2 of CAO 20.16.3 for the carriage of excess passengers have not been included in CASR. Refer to the following regulations for requirements relating to aircraft flight manual instructions and weight and balance limits: <ul style="list-style-type: none"> • 91.095 Compliance with flight manual etc. • 91.805 Loading of aircraft. 	
20.16.3.13	Carriage of infants and children	91.560	Restraint of infants and children	Chapter 20 Division 20.2	Other provisions 91.570 Passengers—safety directions by pilot in command	
20.16.3.14	Persons or passengers who require assistance due to sickness, injury or disability	91.545	Seating for persons on aircraft	Chapter 20 Division 20.1		
		91.565	Passengers—safety briefings and instructions	Chapter 20 Division 20.3 (20.06(p), 20.06(q))		121.285, 133.240 or 135.280
20.16.3.15	Carriage of parachutists	—			Refer to Part 105 of CASR—Parachuting from aircraft.	
20.17 Air service operations - use of military aerodromes by civil aircraft						
		91.410	Use of aerodromes		Regulation 91.410 of CASR authorises the use of certain places as aerodromes. An aerodrome for which an arrangement under section 20 of the Act is in force (subparagraph 91.410(2)(a)(iii)) means a Defence	121.205

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
					aerodrome that is available for civilian use. Prior permission must be obtained from the appropriate military authority before landing at any military aerodrome (except joint-user aerodromes). Refer to AIP Australia.	
20.18 Aircraft equipment - basic operational requirements						
20.18.2	Definitions	91.925	Definitions			
20.18.3	Instrumentation for flight under the Visual Flight Rules (the V.F.R.)	91.095	Compliance with flight manual		Other provisions Section 26.40 of the Part 91 MOS - flight crew intercommunications system — VFR flights	Subpart 121.K, 133.K or 135.K
20.18.3A	Operations to which flight and navigation equipment requirements do not apply	Subpart 91.K	Equipment	Chapter 26 Division 26.5	The back-up battery requirements for EFIS fitted to certain experimental aircraft and certain LSA has changed to 60 minutes (previously 90 minutes).	
20.18.4	Equipment for flight under the Instrument Flight Rules (the I.F.R.)	Subpart 91.K	Equipment	Chapter 26 Divisions 26.3 and 26.4	Section 26.41 of the Part 91 MOS - flight crew intercommunication system — IFR flights, prescribes new requirements for relevant aircraft.	
		91.095	Compliance with flight manual			
20.18.5	Windshield clear vision equipment	—			Refer to the following CASR Parts for windshield clear vision equipment requirements under that Part: <ul style="list-style-type: none"> Part 121—Australian air transport operations—larger aeroplanes Part 135—Australian air transport operations—smaller aeroplanes. 	
20.18.6	Recording equipment	Subpart 91.K	Equipment	Chapter 26 Division 26.9	Other provisions 91.645 Availability of instructions for flight data and combination recorders 91.650 Flight recorders—preserving recordings of immediately reportable matters (provides that aircraft fitted with an operative flight data recorder, operative cockpit voice recorder or operative combination recorder are required to preserve recordings of immediately reportable matters. The recorder must also be preserved).	Subpart 121.K, 133.K or 135.K
20.18.7	Assigned altitude indicator and altitude alerting system	Subpart 91.K	Equipment	Chapter 26 Divisions 26.1, 26.2 (26.03), 26.8		Subpart 121.K, 133.K or 135.K
20.18.8	Radiation indicator	Subpart 91.K	Equipment	Chapter 26 Division 26.6 (26.20)		Subpart 121.K, 133.K or 135.K
20.18.9	Ground proximity warning system	—			Refer to the following CASR Parts: <ul style="list-style-type: none"> Part 121—Australian air transport operations—larger aeroplanes Part 133—Australian air transport operations—rotorcraft 	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
					<ul style="list-style-type: none"> Part 135—Australian air transport operations—smaller aeroplanes. 	
20.18.9B	Directions relating to carriage and use of automatic dependent surveillance - broadcast equipment	Subpart 91.K	Equipment	Chapter 26 Division 26.16		Subpart 121.K, 133.K or 135.K
20.18.9C	Standards for Mode S transponder equipment	Subpart 91.K	Equipment	Chapter 26 Division 26.16 (26.67, 26.70)		Subpart 121.K, 133.K or 135.K
20.18.9D	Directions for mandatory GNSS equipment for I.F.R. flight	Subpart 91.K	Equipment	Chapter 26 Divisions 26.3 (26.08) and 26.4 (26.12)		Subpart 121.K, 133.K or 135.K
20.18.9E	Carriage of Mode S transponder equipment	Subpart 91.K	Equipment	Chapter 26 Division 26.16		Subpart 121.K, 133.K or 135.K
20.18.10	Serviceability	91.150	Operating aircraft with inoperative equipment—placarding		Other provisions 91.245 Matters to be checked before take-off 91.930 Requirements for minimum equipment lists Part 91 MOS Chapter 28	
		Subpart 91.K	Equipment	Chapter 26 Divisions 26.1 and 26.2		Subpart 121.K, 133.K or 135.K
Appendix I	Instruments required for flight under the V.F.R.	Subpart 91.K	Equipment	Chapter 26 Divisions 26.3 and 26.4		Subpart 121.K, 133.K or 135.K
Appendix II	Instruments required for aeroplanes engaged in RPT operations, and aeroplanes engaged in charter operations which have a maximum take-off weight greater than 5 700 kg	—			Refer to the following CASR Parts: <ul style="list-style-type: none"> Part 121—Australian air transport operations—larger aeroplanes Part 135—Australian air transport operations—smaller aeroplanes. 	
Appendix III	Instruments required for aeroplanes with a maximum take-off weight not greater than 5 700 kg engaged in charter operations under the I.F.R. (except night V.M.C.) excluding freight only charter operations	—			Refer to Part 135 of CASR—Australian air transport operations—smaller aeroplanes.	
Appendix IV	Instruments required for aeroplanes engaged in aerial work and private operations under the I.F.R. (including night V.M.C.), charter operations under night V.M.C., I.F.R. freight only charter operations in aeroplanes with a maximum take-off weight not greater than	Subpart 91.K	Equipment	Chapter 26 Division 26.3 (26.07, 26.08)	Refer also to the following CASR Parts: <ul style="list-style-type: none"> Part 135—Australian air transport operations—smaller aeroplanes Part 138—Aerial work operations. 	Subpart 121.K, 133.K or 135.K

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
	5 700 kg					
Appendix V	Electric lighting equipment flight under the I.F.R. at night (including night V.M.C.)	Subpart 91.K	Equipment	Chapter 26 Division 26.7	The Part 91 MOS prescribes a new requirement for cabin lighting which enables occupants to see and use seatbelts and oxygen facilities, if any, and to illuminate the normal and emergency exits.	Subpart 121.K, 133.K or 135.K
Appendix VI	Instruments required for V.F.R. operations — helicopters	Subpart 91.K	Equipment	Chapter 26 Division 26.4 (26.10)		Subpart 121.K, 133.K or 135.K
Appendix VII	Instruments required for I.F.R. operations in helicopters (except night V.M.C.)	Subpart 91.K	Equipment	Chapter 26 Division 26.4 (26.12)		Subpart 121.K, 133.K or 135.K
Appendix VIII	Instruments required for night V.M.C. flight in helicopters except while engaged in agricultural operations	Subpart 91.K	Equipment	Chapter 26 Division 26.4 (26.11)		Subpart 121.K, 133.K or 135.K
Appendix IX	Instruments required for helicopters engaged in night V.M.C. agricultural operations	Subpart 91.K	Equipment	Chapter 26 Division 26.4 (26.11)	The Part 91 MOS contains exceptions to the VFR flight by night equipment requirements for rotorcraft conducting an agricultural operation.	Subpart 121.K, 133.K or 135.K
Appendix X	Instruments required for manned free balloons and hot air airships for flight by day under the V.F.R.	—			Refer to Part 131 of CASR—Balloons and hot air airships.	
Appendix XI	Approved equipment configuration — ADS-B transmitting equipment — IFR and VFR flight	Subpart 91.K	Equipment	Chapter 26 Division 26.16		Subpart 121.K, 133.K or 135.K
Appendices XII -XIV	Approved equipment configuration — Mode S transponder with Class B TABS position source device, Integrated TABS device, EC device — VFR flight below FL290 only	—			At the time of publication of this document, these standards have not yet been included in Part 91 of CASR.	
20.21 Civil Aviation Order 20.21 Instrument 2015						
		—			Refer to Part 138 of CASR—Aerial work operations. (At the time of publication of this document, Part 137 of CASR prescribes the rules for aerial application operations in aeroplanes. Amendments are underway to incorporate rotorcraft into Part 137 of CASR, which will be the subject of further consultation.)	
20.22 Taxiing of aircraft by persons other than licensed pilots						
		—			Refer to Part 64 of CASR—Authorisations for non-licensed personnel.	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
20.91 (Instructions and directions for performance-based navigation) Instrument 2014						
		91.287	IFR flights	Chapter 14		
		91.660	Performance-based navigation	Chapter 22		
29.2 Air service operations - Night flying training						
		—			<p>Limitations that are specific to night flying training have not been included in Part 91 of CASR.</p> <p>Regulation 91.410 of CASR prescribes the requirements for the use of aerodromes.</p> <p>For aircraft equipment and lighting requirements during VFR flight by night, refer to regulation 91.810 and the Part 91 MOS Chapter 26.</p>	
29.3 Air Service operations - Aeroplanes engaged in agricultural operation - Night aerial spraying						
		—			Refer to Part 137— Aerial application operations—other than rotorcraft.	
29.4 Air displays						
29.4.1	Definitions	—				
29.4.2	Approval	91.180	Air displays in Australian territory		<p>A person must hold an approval under regulation 91.045 of CASR to conduct an air display. An operator or a pilot in command must not conduct a flight in an air display if the person conducting the display does not hold the approval.</p> <p>Refer to the CASA Air Display Administration and Procedures Manual for detailed guidance on air displays, available on the CASA website.</p> <p>Other provisions</p> <p>91.185 Conducting aerobatic manoeuvres</p> <p>91.265 Minimum height rules—populous areas and public gatherings</p> <p>91.267 Minimum height rules—other areas</p> <p>91.845 Restricted category aircraft—kinds of operation permitted</p>	
29.4.3	Application	—				
29.4.4	Conditions of approval	—				
29.4.5	Planning and control	—				
29.5 Air service operations - Miscellaneous dropping of articles from aircraft in flight						
		—			<p>Dropping things from an aircraft is not permitted by Part 91 of CASR.</p> <p>Refer to Part 138 of CASR—Aerial work operations.</p>	
29.6 Helicopter external sling load operations						
		—			Refer to Part 138 of CASR—Aerial work operations.	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders	Part 91 of CASR	Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
29.8 Ferry flight of aeroplanes with 1 engine inoperative				
	—		<p>These standards have not been included in Part 91 of CASR.</p> <p>Regulation 91.095 of CASR prescribes requirements about compliance with aircraft flight manual instructions and any conditions specified in the aircraft's certificate of airworthiness or special flight permit.</p> <p>Refer to Part 121 of CASR—Australian air transport operations—larger aeroplanes. Ferrying of an aeroplane with one engine inoperative is not permitted on a flight that is an air transport flight.</p>	
29.10 Air service operations — aircraft engaged in aerial stock mustering operations — low flying permission				
	—		Refer to Part 138 of CASR—Aerial work operations.	
29.11 Air service operations — helicopter winching and rappelling operations				
	—		<p>Refer to the following CASR Parts:</p> <ul style="list-style-type: none"> • Part 133—Australian air transport operations—rotorcraft • Part 138 of CASR—Aerial work operations. 	
48.1 Civil Aviation Order 48.1 Instrument 2019				
	—		<p>The requirement to comply with the CAO 48.1 fatigue management rules will continue beyond the 2 December 2021 commencement of the CASR flight operations regulations. These rules will be incorporated into the CASR in due course.</p> <p>Other provisions 91.520 Crew members to be fit for duty (requirements that apply for all crew members).</p>	
52.1 Use of airspace - Directions under r 99AA about the use of class A airspace				
	91.655	RVSM airspace	<p>The Part 91 MOS prescribes that flight in RVSM airspace must be conducted in accordance with procedures published in the authorised aeronautical information.</p> <p>For the definition of <i>authorised aeronautical information</i>, refer to the CASA flight operations regulations - consolidated dictionary.</p> <p>Other provisions 91.255 Air traffic services—prescribed requirements Part 91 MOS Chapter 11 Division 11.1 (11.07) 91.630 Use of radio—broadcasts and reports Part 91 MOS Chapter 21 Division 21.2 (Table 21.05(1) item 7 and section</p>	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders		Part 91 of CASR		Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
					21.08)	
82.0 Civil Aviation Order 82.0 Instrument 2014						
		—			Refer to mapping documents for Parts 121, 133, 135 and 138.	
82.6 Night vision imaging system - helicopters						
		—			<p>Part 91 NVIS requirements prescribed by Chapter 3 of the Part 91 MOS apply to all operations using NVIS that are not a Part 133 or a Part 138 operation. Refer to regulations 91.085, 133.265 and 138.350 of CASR.</p> <p>The use of NVIS for the purposes of flight testing, Part 141 flight training or Part 142 activities has not yet been incorporated into the CASR.</p> <p>Currently, Part 91 permits NVIS to be used only as a situational awareness tool. For example, it does not provide for the use of NVIS below the LSALT or to gain alleviation from any lighting requirements.</p> <p>The movement of relevant CAO 82.6 content into the CASR is currently the subject of active work by CASA, with a dedicated Technical Working Group consisting of industry members already established. CASA intends to consult with this working group, and publicly consult NVIS related MOS amendments (whether Part 91, 133 or 138) in the 1st half of 2021.</p>	
95.7 Exemption from provisions of the <i>Civil Aviation Regulations 1988</i> — helicopters						
		—			Refer to Part 138 of CASR—Aerial work operations.	
95.7.2 Exemption of helicopters engaged in rappelling, sling load or winching operations from compliance with certain flight manual limitations						
		—			<p>Refer to the following CASR Parts:</p> <ul style="list-style-type: none"> • Part 133—Australian air transport operations—rotorcraft • Part 138—Aerial work operations. 	
95.7.3 Exemption of certain helicopters engaged in transferring marine pilots from compliance with subregulation 174B of the <i>Civil Aviation Regulations 1988</i>						
		—			Refer to Part 138 of CASR—Aerial work operations.	
95.22 Exemption from provisions of the <i>Civil Aviation Regulations 1988</i> — float planes operating in prescribed access lanes						
		91.256	Minimum height rules—populous areas and public gatherings			
		91.267	Minimum height rules—other areas			

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.



Civil Aviation Orders	Part 91 of CASR	Part 91 MOS	Comments	Provisions of Part 121, 133, 135 or 138 *
95.23 Exemption from subregulations 178(1) and (2) of the <i>Civil Aviation Regulations 1988</i> — for offshore and coastal surveillance and search and rescue operations				
	—		Refer to Part 138 of CASR—Aerial work operations.	

*The provision in the Part 91 of CASR column does not apply if provisions of Part 121, 133, 135 or 138 apply.