

NPPL to PPL (A) Bridging Examinations
010 Air Law and 070 Operational Procedures
Learning Objectives

Syllabus Reference	Syllabus details & Associated Learning Objective	NPPL to PPL (A)
010.00.00.00	AIR LAW AND ATC PROCEDURES	
010.01.00.00	International law: conventions, agreements and organisations	
010.01.01.00	The Convention on international civil aviation (Chicago) Doc. 7300/6	
010.01.01.01	Part I Air Navigation: relevant parts of the following chapters:	
	(a) general principles and application of the convention;	x
	(b) flight over territory of Contracting States;	x
	(c) nationality of aircraft;	x
	(d) measures to facilitate air navigation;	x
	(e) conditions to be fulfilled on aircraft;	x
	(f) international standards and recommended practices;	x
	(g) validity of endorsed certificates and licences;	x
	(h) notification of differences.	x
010.01.01.02	Part II The International Civil Aviation Organisation (ICAO): objectives and composition	x
010.02.00.00	Annex 8: Airworthiness of aircraft	
010.02.01.01	Foreword and definitions	x
010.02.01.02	Certificate of airworthiness	x
010.03.00.00	Annex 7: Aircraft nationality and registration marks	
010.03.01.01	Foreword and definitions	
010.03.01.02	Common- and registration marks	
010.03.01.03	Certificate of registration and aircraft nationality	
010.04.00.00	Annex 1: Personnel licensing	
010.04.01.01	Definitions	x
010.04.01.02	Relevant parts of Annex 1 connected to Part-FCL and Part-Medical and essential requirements for a pilot.	x
010.05.00.00	Annex 2: Rules of the air	
010.05.01.01	Essential definitions, applicability of the rules of the air, general rules (except water operations), visual flight rules, signals and interception of civil aircraft	x
010.06.00.00	Procedures for air navigation: aircraft operations doc. 8168-ops/611, volume 1	
010.06.01.01	Altimeter setting procedures (including ICAO doc. 7031 – regional supplementary procedures)	x
010.06.01.02	Basic requirements (except tables), procedures applicable to operators and pilots (except tables)	x
010.07.00.00	Secondary surveillance radar transponder operating procedures (including ICAO Doc. 7031 – regional supplementary procedures)	
010.07.01.01	Operation of transponders	x
010.07.01.02	Phraseology	x

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010.08.00.00	Annex 11: Doc. 4444 air traffic management	
010.08.01.01	Definitions	x
010.08.01.02	General provisions for air traffic services	x
010.08.01.03	Visual separation in the vicinity of aerodromes	x
010.08.01.04	Procedures for aerodrome control services	x
010.08.01.05	Radar services	x
010.08.01.06	Flight information service and alerting service	x
010.08.01.07	Phraseologies	x
010.08.01.08	Procedures related to emergencies, communication failure and contingencies	x
010.10.00.00	Annex 14, volume 1 and 2: Aerodromes	
010.10.01.01	Definitions	x
010.10.01.02	Aerodrome data: conditions of the movement area and related facilities	x
010.10.01.03	Visual aids for navigation:	x
	(a) indicators and signalling devices;	x
	(b) markings;	x
	(c) lights;	x
	(d) signs;	x
	(e) markers.	x
010.10.01.04	Visual aids for denoting obstacles:	x
	(a) marking of objects;	x
	(b) lighting of objects.	x
010.10.01.05	Visual aids for denoting restricted use of areas	x
010.10.01.06	Emergency and other services:	x
	(a) rescue and fire fighting;	x
	(b) apron management service.	x
010.11.00.00	Annex 12: Search and rescue	
010.11.01.01	Essential definitions	x
010.11.01.02	Operating procedures:	x
	(a) procedures for PIC at the scene of an accident;	x
	(b) procedures for PIC intercepting a distress transmission;	x
	(c) search and rescue signals.	x
010.11.01.03	Search and rescue signals:	
	(a) signals with surface craft;	x
	(b) ground or air visual signal code;	x
	(c) air or ground signals.	x
010.12.00.00	Annex 17: Security	
010.12.01.01	General: aims and objectives	x
010.13.00.00	Annex 13: Aircraft accident investigation	
010.13.01.01	Essential definitions	x
010.13.01.02	Applicability	x

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070.00.00.00	OPERATIONAL PROCEDURES	
070.01.00.00	General	
070.01.01.00	Operation of aircraft: ICAO Annex 6, General requirements	
070.01.01.01	Definitions	x
070.01.01.02	Applicability	x
070.02.00.00	Special operational procedures and hazards (general aspects)	x
070.03.00.00	Noise abatement	
070.03.01.01	Noise abatement procedures	x
070.03.01.02	Influence of the flight procedure (departure, cruise and approach)	x
070.03.01.03	Runway incursion awareness (meaning of surface markings and signals)	x
070.04.00.00	Fire or smoke	
070.04.01.01	Carburettor fire	x
070.04.01.02	Engine fire	x
070.04.01.03	Fire in the cabin and cockpit, (choice of extinguishing agents according to fire classification and use of the extinguishers)	x
070.04.01.04	Smoke in the cockpit and (effects and action to be taken) and smoke in the cockpit and cabin (effects and actions taken)	x
070.05.01.00	Windshear and microburst	
070.05.01.01	Effects and recognition during departure and approach	x
070.05.01.02	Actions to avoid and actions taken during encounter	x
070.06.00.00	Wake turbulence	
070.06.01.01	Cause	x
070.06.01.02	List of relevant parameters	x
070.06.01.03	Actions taken when crossing traffic, during take-off and landing	x
070.07.00.00	Emergency and precautionary landings	
070.07.01.01	Definition	x
070.07.01.02	Cause	x
070.07.01.03	Passenger information	x
070.07.01.04	Evacuation	
070.07.01.05	Action after landing	x
070.08.00.00	Contaminated runways	
070.08.01.01	Kinds of contamination	x
070.08.01.02	Estimated surface friction and friction coefficient	x