CODIG	dΝ.	Area	PREGUNTA	RTA	OPCION_A	OPCION_B	OPCION_C
PTL	1	CONOCIMIENTO GENERAL DE AERONAVES	What is the purpose of the wing main spar	А		To withstand compressive and torsional loads	To withstand compressive and shear loads
PTL	2	CONOCIMIENTO GENERAL DE AERONAVES	What is the purpose of wing ribs	В	_	To shape the wing and support the skin	To house the fuel and landing gear
PTL	3	CONOCIMIENTO GENERAL DE AERONAVES	The airframe structure must remain substantially intact after experiencing:	С		The design limit load plus the design ultimate load	The design limit load times a 1.5 factor of safety
PTL	4	CONOCIMIENTO GENERAL DE AERONAVES	How can wing bending moments be reduced in flight?	В	"By using aileron ""up-float"" and keeping the centre section fuel tanks full for as long as possible"	"By using aileron ""up-float"" and using the fuel in the wings last"	"By having tail-mounted engines and using aileron ""down-float"""
PTL	5	CONOCIMIENTO GENERAL DE AERONAVES	The primary purpose of the fuselage is to:	В	Support the wings	House the crew and payload	Keep out adverse weather
PTL	6	CONOCIMIENTO GENERAL DE AERONAVES	The pressure gauge of an hydraulic system provides information regarding the pressure of:	l		the air and hydraulic fluid in the system	the proportional pressure in the system
PTL	7	CONOCIMIENTO GENERAL DE AERONAVES	A shuttle valve:	В	•	allows two supply sources to operate one unit	allows one source to operate two units
PTL	8	CONOCIMIENTO GENERAL DE AERONAVES	A relief valve:	С		maintains pressure to a priority circuit.	relieves at its designed pressure
PTL	9	CONOCIMIENTO GENERAL DE AERONAVES	The primary purpose of a hydraulic reservoir is:	А		to allow a space into which spare fluid may be stored.	to indicate system contents.
PTL	10	CONOCIMIENTO GENERAL DE AERONAVES	With air in the hydraulic system you would:	В	ignore it because normal operation would remove it.	bleed the air out of the system.	allow the accumulator to automatically adjust itself.

PTL	11	CONOCIMIENTO GENERAL DE AERONAVES	Pascal's law states that	С	pressure is inversely proportional to load	liquid is compressible	applied force acts equally in all directions.
PTL	12	CONOCIMIENTO GENERAL DE AERONAVES	The purpose of an accumulator is to:	В	relieve excess pressure.	store fluid under pressure.	store compressed gas for tyre inflation.
PTL	13	DERECHO AEREO	The minimum height to which an aircraft may safely continue a precision approach, without visual reference is known as the:	А	decision height	minimum descent altitude	decision altitude
PTL	14	DERECHO AEREO	What is a star?	В	Standard arrival	Estándar instrument arrival	Special terminal arrival
PTL	15	DERECHO AEREO	In an instrument approach procedure, the segment in which alignment and descent for landing are made is called:		final approach segment	initial approach segment	intermediate approach segment
PTL	16	DERECHO AEREO	What is the meaning of OCA?	С	Oceanic control area	Obstacle clearance altitude	Oceanic control area or obstacle clearance altitude
PTL	17	DERECHO AEREO	What is the meaning of MEHT?	В	Mean height over threshold.	Minimum eye height.	Minimum elevation height.
PTL	18	DERECHO AEREO	The term used to describe the visual phase of flight after completing an instrument approach, to bring an aircraft into position for landing on runway which is not suitably located for straight-in approach, is:	С	contact approach	visual approach.	visual manouvering (circling).
PTL	19	DERECHO AEREO	A racetrack is:	В	a right hand circuit pattern.	"a procedure used for descent; resembling a holding-pattern (including the entry)."	traffic landing and taking-off again within 1 hour and returning to the same airport of the original departure.
PTL	20	DERECHO AEREO	"""Operational control"" of a flight refer to"	A	Exercising authority over initiating, conducting, or erminating a flight.	Exercising the privileges of pilot in-command of an aircraft.	the specific duties of any required crewmember.

PTL	21	A crewmember interphone system is required on which airplane?	А	An airplane with more than 19 passenger seats	A turbojet airplane	A large airplane
PTL	22	A flight crewmember must be able to don and use a quick-donning oxygen mask within	В	8 seconds	5 seconds	10 seconds
PTL	23	A turbine-engine-powered flag air carrier airplane is released to an airport which has no available alternate. What is the required fuel reserve?	С	30 minutes, plus 10 percent of the total flight time	2 hours at normal cruise speed in a no wind condition fuel consumption	2 hours at normal cruise fuel consumption
PTL	24	An air carrier uses an airplane that is certified for operation with a flightcrew of two pilots and one flight engineer. In case the flight engineer becomes incapacitated	В	One pilot must be qualified and have a flight engineer certificate to perform the flight engineer duties	"At least one other flight crewmember must be qualified to perform the flight engineer duties "	One crewmember must be qualified to perform the duties of the flight engineer
PTL	25	An applicant who is scheduled for a practical test for an airline transport pilot certificate, in an aircraft, needs	В	At least a current third-class medical certificate.	A first-class medical certificate.	A second-class medical certificate.
PTL	26	At which cabin altitude must oxygen be provided for all passengers during the entire flight at those altitudes	С	15,000 feet	14,000 feet	16,000 feet
PTL	27	By regulation, who shall provide the pilot in command of a domestic or flag air carrier airplane information concerning weather, and irregulrities of facilities and services?	В	Air route traffic control center	The aircraft dispatcher	Director of operations or flight follower

PTL	28		Category II ILS operations below 1600 RVR and a 150-foot DH may be approved after the pilot in command has	A	"logged 100 hours' flight time in make and model airplane under 14 CFR part 121 and three Category II ILS approaches in actual or simulated IFR conditions with 150-foot DH since the beginning of the sixth preceding month"	logged 90 hours' flight time, 10 takeoffs and landings in make and model airplane and three Category II ILS approaches in actual or simulated IFR conditions with 150-foot DH since the beginning of the sixth preceding month, in operations under 14 CFR parts 91 and 121	made at least six Category II approaches in actual IFR conditions with 100-foot DH within the preceding 12 calendar months
PTL	29		Duty and rest period rules for domestic air carrier operations require that a flight crewmember	В	Not be on duty aloft for more than 100 hours in any 30 day period	"not be assigned to any duty with the air carrier during any required rest period OPCION B: not be on duty aloft for more than 100 hours in any 30 day period OPCION C: be relieved of all duty for at least 24 hours during any 7 consecutive days"	Not be on duty aloft for more than 100 hours in any 30 day period
PTL	30	DERECHO AEREO	Each large aircraft operating over water must have a life preserver for each	А	aircraft occupant	seat on the aircraft	passenger seat, plus 10 percent
PTL	31		Each air carrier flight deck crewmember on flight deck duty must be provided with an oxygen mask that can be rapidly placed on his face when operating at flight altitudes	А	above FL 250	of FL 260	of FL 250

PTL	32	DERECHO AEREO	For a flight over uninhabited terrain, an airplane operated by a flag or supplemental air carrier must carry enough appropriately equipped survival kits for	В	all of the passengers, plus 10 percent	all aircraft occupants	all passenger seats
PTL	33		How much supplemental oxygen for emergency descent must a pressurized turbine-powered air transport airplane carry for each flight crewmember on flight deck duty when operating at flight altitudes above 10,000 feet?		Sufficient for the duration of the flight above 8,000 feet cabin pressure altitude	Sufficient for the duration of the flight at 10,000 feet flight altitude, not to exceed 1 hour and 50 minutes	A minimum of 2 hours supply
PTL	34		If a turbine-engine-powered, pressurized airplane is not equipped with quick-donning oxygen masks, what is the maximum flight altitude authorized without one pilot wearing and using an oxygen mask?	С	FL 200	FL 300	FL 250
PTL	35	DERECHO AEREO	If an aircraft dispatcher cannot communicate with the pilot of an air carrier flight during an emergency the aircraft dispatcher should	В	comply wiht the company's lost aircraft plan	take any action considered necessary under the ircumstances	phone the ARTCC where the flight is located and ask for a phone patch with the flight
PTL	36		If the weather forecast do not require the listing of an alternate airport on an IFR flight, the airplane must carry sufficient fuel to fly to the destination airport and		fly for 45 minutes thereafter at normal cruise climb speed	make one missed approach and thereafter have a 45 minute reserve at normal cruising speed	fly thereafter for 45 minutes at normal cruising speed

PTL	37		In the event of an engine emergency, the use of a cockpit check procedure by the flightcrew is	В	"encouraged; it helps to ensure that all items on the procedure are accomplished"	required by regulations to prevent reliance upon memorized procedures	required by the FAA as a doublecheck after the memorized procedure has been accomplished
PTL	38		In airplanes where a third gyroscopic bank-and pitch indicator is required, that instrument must	A	electrical generating system"	l '	be operable by a selector switch which may be actuated from either pilot station
PTL	39		If either pilot of an air carrier airplane leaves the duty station while flying at FL 410, the other pilot	В	and the flight engineer shall put on their oxygen masks and breathe oxygen	shall put on the oxygen mask and breathe oxygen	must have a quick-donning type oxygen mask available
PTL	40		Life preservers required for overwater operations are stored	С	within easy reach of each passenger	under each occupant seat	within easy reach of each seated occupant
PTL	41	DERECHO AEREO	Regulations require that interior emergency lights must:	В	1 .	be operable manually from the flightcrew station and a point in the passenger compartment	be armed or turned on during taxiling and all flight operations
PTL	42		The crew interphone system on a large turbojet-powered airplane provides a means of two-way communications between ground personnel and at least one of two flight crewmembers in the pilot compartment, when the aircraft is on the ground. The interphone station for use by ground personnel must be located so that those using the system, from that station	Α	1 '	Are always visible, from within the airplane	Are able to avold the intake areas of the engines

PTL		DERECHO AEREO DERECHO AEREO	The kinds of operation that a certificate holder is authorized to conduct are specified in the "The maximum flight time in 24 consecutive hours that a flag air carrier may schedule a pilot in a two-pilot crew A	A	Certificate holder's operations specifications  10 hours	Application submitted for an Air Carrier or Operating Certificate, by the applicant 12 hours	Air Carrier Certificate or Operating Certificate  8 hours
PTL	45	DERECHO AEREO	without a rest period is"  The persons jointly responsable for the initiation, continuation, diversion, and termination of a supplemental air carrier or commercial operator flight are the	A	"Pilot in command and director of operations	Pilot in command and chief pilot	Pilot in command and the flight follower
PTL	46	DERECHO AEREO	The required crewmember functions that are to be performed in the event of an emergency shall be assigned by the	В	"Pilot in command "	Certificate holder	Air carrier's chief pilot
PTL	47	DERECHO AEREO	The reserve fuel supply for a domestic air carrier flight is	С	45 minutes at normal fuel consumption in addition to the fuel required to the alternate airport	30 minutes plus 15 percent at normal fuel consumption in addition to the fuel required to the alternate airport	45 minutes at normal fuel consumption in addition to the fuel required to fly to and at the most distant alternate airport
PTL	48	DERECHO AEREO	The training required for crewmembers or dispatchers who have been qualified and served in the same capacity on other airplanes of the same group is	С	"Difference training "	Upgrade training	Transition training

PTL			The two pilots stations of a pressurized aircraft are equipped with approved quick- donning masks. What is the maximun altitude authorized if one pilot is not wearing an oxygen mask and breathing oxygen?  Under which condition is a flight	A	35,000 feet MSL	41,000 feet MSL	25,000 feet MSL  If the airplane is powered by more than two turbine
PIL	30	DERECHO AEREO	engineer required as a flight crewmember in FAR Part 121 operations?	A	in required by the airplane's type certificate	proving flight, with revenue cargo aboard	engines
PTL	51		What action shall the pilot in command take if it becomes necessary to shut down one of the two engines on an air carrier airplane?	С	Land at the nearest airport, including military, that has a crash and rescue unit	Land at the airport which the pilot considers to be as safe as the nearest suitable airport in point of time	Land at the nearest suitable airport in point of time at which a safe landing can be made
PTL	52		What aircraft operating under FAR Part 135 are required to have a third gyroscopic bank-and-pitch indicator installed?	А	All airplanes that are turbojet powered	All turbine powered aircraft having a passenger seating capacity of 30 seats or more	All multiengine airplanes that require a two pilot flightcrew
PTL	53		What information must be contained in, or attached to, the dispatch release for a domestic air carrier flight	В	Names of all passengers on board and minimum fuel supply	Departure airport, intermediate stops, destinations, alternate airports, and trip number	Cargo load, weight and balance data, and identification number of the aircraft
PTL	54		What information must be included on a domestic air carrier dispatch release?	A	Minimum fuel supply and trip number	Evidence that the airplane is loaded according to schedule, and a statement of the type of operation	Company or organization name and identification number of the aircraft
PTL	55		What instrument flight time may be logged by a second-in-command of an aircraft requiring two pilots?	В	One-half the time the airplane is in actual IFR conditions.	All of the time the second-in- command is controlling the airplane solely by reference to flight instruments.	One-half the time the flight is on an IFR flight plan.

PTL	56		What is the flight level that operations may be conducted without the pilot at the controls wearing and using an oxygen mask, while the other pilot is away from the duty station?	l	Above FL 250	FL 240	FL 250
PTL	57	DERECHO AEREO	What is the minimum number of acceptable oxygen-dispensing units for first-aid treatment of occupants who might require undiluted oxygen for physiological reasons?	В	Four	Two	Three
PTL		DERECHO AEREO	What is the minimum passenger seating configuration that requires a second in command?	В	15 seats	10 seats	20 seats
PTL	59	DERECHO AEREO	What is the passenger oxygen supply requirement for a flight, in a turbine-powered aircraft, with a cabin pressure altitude in excess of 15,000 feet? Enough oxygen for	В	30 percent of the passengers	each passengers for the entire flight above 15,000 feet cabin altitude	10 percent of the passengers for 30 minutes
PTL	60	DERECHO AEREO	When carrying a passenger aboard an all-cargo aircraft, which of the following applies?	С	Crew-type oxygen must be provided for the passenger	The passenger must have access to a seat in the pilot compartment	"The pilot in command may authorize the passenger to be admitted to the crew compartment "
PTL	61	DERECHO AEREO	When a supplemental air carrier is operating over an uninhabited area, how many appropriately equipped survival kits are required aboard the aircraft?	С	One for each passenger seat	One for each passenger, plus 10 percent	One for each occupant of the aircraft
PTL	62	DERECHO AEREO	When may a Category II ILS limitation be removed?	С	When six ILS approaches to Category II minimums have been completed in the past 6 months.	120 days after issue or renewal.	When three Cat II ILS approaches have been completed to a 150-foot decision height and landing.

PTL	63		When the pilot in command is responsible for a deviation during an emergency, the pilot should submit a written report within	A	72 hours after returning to home base	24 hours after returning to home base	12 hours after returning to home base
PTL	64		Where can the pilot of a flag air carrier airplane find the latest NOTAMs?	В	Notices To Airmen publication	Any company dispatch facility	Airport/Facility Directory
PTL	65	DERECHO AEREO	Which is a ddisadvantage of thr one- step over the two-step process when deicing/anti-icing an airplane?	С	It is more complicated	the holding time is increased	more fluid is used whith the one-step method when large deposits of ice and snowmust be fluseh off airplane surfaces.
PTL	66		Which document includes descriptions of the required crewmember functions to be performed in the event of an emergency?	1	Airplane Flight Manual	Pilot's Emergency Procedures Handbook	Certificate holder's manual
PTL	67	DERECHO AEREO	Which documents are required to be carried aboard each domestic air carrier flight?	A	Dispatch release, load manifest (or information from it), and flight plan	Dispatch release and weight and balance release	Load manifest (or information from it) and flight release
PTL	68	DERECHO AEREO	"Which is a definition of the term ""crewmember""?"	С	Only a pilot, flight engineer, or flight navigator assigned to duty in an aircraft during flight time.	Any person assigned to duty in an aircraft during flight except a pilot or flight engineer.	A person assigned to perform duty in an aircraft during flight time.
PTL	69		Which is a requirement for flightcrew use of oxygen masks in a pressurized cabin airplane?	С	At altitudes above FL 250, one of the two pilots at the controls shall use an oxygen mask continuosly.	Both pilots at the controls shall use oxygen masks above FL 350	At altitudes above 25,000 feet MSL, if one pilot leaves the pilot duty station, the remaining pilot at the controls shall use an oxygen mask.
PTL	70	DERECHO AEREO	Which is one of the requirements that must be met by a required pilot flight crewmember in re-establishing recency of experience?	1	At least one ILS approach to the lowest ILS minimums authorized for the certificate holder and a landing from that approach "	At least one landing must be made with a simulated failure of the most critical engine	At least three landings must be made to a complete stop

PTL	71	Which requirement applies to emergency equipment (fire extinguishers, megaphones, first-aid kits, and crash ax) installed in an air	В	Emergency equipment cannot be located in a compartment or area where it is not immediately visible to a flight attendant in the passenger compartment		All emergency equipment, must be readily accessible to the passengers
		carrier airplane?				
PTL	72	Who is required to submit a written report on a deviation that occurs during an emergency?	А	Person who declares the emergency	"Pilot in command	Dispatcher
PTL	73	"Who is responsible for obtaining information on all current airport conditions, weather, and irregularities of navigation facilities for a supplemental air carrier flight?"	А	Pilot in command	Aircraft dispatcher	Director of operations or flight follower
PTL	74	Who is responsible, by regulation, for briefing a domestic or flag air carrier pilot in command on all available B weather information?	С	Director of operations	Company meteorologist	Aircraft dispatcher
PTL	75	Which document specifically authorizes a person to operate an aircraft in a particular geographic area?	В	Operating Certificate	Operations Specifications	Dispatch Release

PTL	76	DERECHO AEREO	"Cada cuanto tiempo deberá efectuar un entrenamiento recurrente en esa posición, El Piloto de Transporte de	С	" El Piloto de Transporte de Línea Aérea (PTL) certificado para desempeñarse como Piloto de Relevo en Crucero en vuelos de	" El Piloto de Transporte de Línea Aérea (PTL) certificado para desempeñarse como	El Piloto de Transporte de Línea Aérea (PTL) certificado para desempeñarse como Piloto de Relevo en Crucero en vuelos de largo alcance, deberá efectuar un
			Línea Aérea (PTL) que haya de actuar como Piloto de relevo en crucero,en las maniobras descritas ?		largo alcance, deberá efectuar un entrenamiento recurrente en esa posición, en las maniobras descritas dos vecez al año y de conformidad con el Manual de entrenamiento aprobado."	Piloto de Relevo en Crucero en vuelos de largo alcance, deberá	entrenamiento recurrente en esa posición, en las maniobras descritas una vez al año y de conformidad con el Manual de entrenamiento aprobado.
PTL	77		Como debera cumplirse el entrenamiento para el Piloto de Transporte de Línea Aérea (PTL) que haya de actuar como Piloto de Relevo en crucero, en vuelos de largo alcance ?		simulador de vuelo con un mínimo de dos (2) periodos de dos (2) horas cada uno y un chequeo ante Inspector de la UAEAC ó ante Examinador Designado.	· ·	Este programa deberá cumplirse en un simulador de vuelo con un mínimo de un (1) periodo de dos (2) horas cada uno y un chequeo ante Inspector de la UAEAC ó ante Examinador Designado.
PTL	78	DERECHO AEREO	Como se realiza el Recobro de autonomía de un PTL despues de un receso de mas de sesenta meses de inactividad de vuelo?.	А	cumplir con el entrenamiento inicial de vuelo y de tierra, en el equipo en que se desea recobrar la autonomía y presentar un	Si el receso es mayor a 60 meses y es menor de 120 meses, deberá cumplir con un reentrenamiento, en el equipo en que se desea recobrar la autonomía	Si el receso excede60 meses y es menor de 65 meses, deberá efectuar un repaso del curso de tierra y un periodo de dos horas de avión o simulador, ante un Inspector de la UAEAC, examinador Designado o Piloto Chequeador en el equipo en que desea recobrar la autonomía.

PTL	79		Cual es la definicion de tiempo de servicio para un Piloto de transporte de Linea aérea?	1	tiempo durante el cual el tripulante se halle a disposición de la empresa. El tiempo de servicio de los tripulantes asignados a un vuelo empieza a contarse una hora y media antes de la iniciación programada de los vuelos internacionales y una hora antes de los vuelos domésticos y se termina de contar al finalizar el vuelo.	cual el tripulante se halle a disposición de la empresa. El tiempo de servicio de los tripulantes asignados a un vuelo empieza a contarse una hora antes de la iniciación programada de los vuelos	Tiempo de servicio es todo período de tiempo durante el cual el tripulante se halle a disposición de la empresa. El tiempo de servicio de los tripulantes asignados a un vuelo empieza a contarse dos horas antes de la iniciación programada de los vuelos internacionales y una hora antes de los vuelos domésticos y se termina de contar al finalizar el vuelo.
PTL	80	DERECHO AEREO	Cuales son las condiciones para poder	В	"Para mantener vigentes las atribuciones	internacionales y una hora antes de los vuelos domésticos y se termina de contar al finalizar el vuelo.  "Para mantener vigentes las	Para mantener vigentes las atribuciones de la licencia y
			ejercer las atribuciones de la licencia de Piloto de Transporte de Linea Aérea?	1	pilotos y copilotos de transporte de línea aérea comercial regular deben cumplir con lo indicado en el numeral 2.4.1.1.4."	atribuciones de la licencia y poder ejercerlas, todos los pilotos y copilotos de transporte de línea aérea comercial regular deben cumplir con lo indicado en el numeral 2.2.1.1.4."	poder ejercerlas, todos los pilotos y copilotos de transporte de línea aérea comercial regular deben cumplir con lo indicado en el numeral 2.7.1.1.4.
PTL	81		Cuando el Examinador Designado actúe como instructor de vuelo	С	l,	se entenderá que este actúa como examinador	no podrá desempeñarse como examinador

PTL	82	DERECHO AEREO	"Cuando la UAEAC convalide una licencia extranjera otorgada por un Estado contratante de la OACI"	А	Esta autorización será expedida con restricciones y/o limitaciones, incluyendo fecha de vencimiento (que no podrá exceder el vencimiento de la licencia original), tipo de aeronave y el explotador colombiano para el cual se prestará el servicio.	sin restricciones y/o limitaciones, sin incluir fecha de vencimiento (que podrá	Esta autorización será expedida con restricciones y/o limitaciones, incluyendo fecha de vencimiento ( podrá exceder el vencimiento de la licencia original), tipo de aeronave y el explotador colombiano para el cual se prestará el servicio.
PTL	83		"El Piloto de Transporte de Línea Aérea (PTL) que haya de actuar como Piloto de relevo en crucero, en vuelos de largo alcance, deberá cumplir con el entrenamiento previsto en el numeral 2.2.7. de los RAC y con el programa de entrenamiento aprobado por la UAEAC a la empresa de transporte aéreo"	С	"Si la empresa lo considera se adicionará, como mínimo, las siguientes maniobras en la silla izquierda: a. Pérdida de motor durante crucero; b. Descenso de emergencia; c. Actitudes inusuales de la aeronave; d. Fallas eléctricas, fallas de navegación; y e. Aterrizajes en silla derecha como piloto no volando."	maniobras en la silla derecha: a. Pérdida de motor durante crucero;	"Correcto y se adicionará, como mínimo, las siguientes maniobras en la silla derecha: a. Pérdida de motor durante crucero; b. Descenso de emergencia; c. Actitudes inusuales de la aeronave; d. Fallas eléctricas, fallas de navegación; y e. Aterrizajes en silla derecha como piloto no volando."
PTL	84	DERECHO AEREO	En la cabina de mando cual es la posición de los Tripulantes?	С	Serán definidas de acuerdo con las autorizacion de la compañía operadora de la aeronave y el piloto al mando podrá ocupar el asiento del copiloto y viceversa.	· ·	estarán definidas y serán ocupadas de acuerdo con las prescripciones del fabricante de la aeronave, de modo que el piloto al mando no podrá ocupar el asiento del copiloto, ni viceversa.

PTL	85	DERECHO AEREO	En que consiste la habilitación de competencia lingüística en el idioma inglés ?	A	comprenden los descriptores integrales y el nivel lingüístico para la aviación civil de la escala de calificación de competencia lingüística de la UAEAC	"Comunicarse eficazmente en situaciones de trato oral, (teléfono-radiotelefono) y en situaciones de contacto directo, Comunicarse con precisión y claridad sobre temas comunes, concretos y relacionados con el trabajo y utilizar estrategias de comunicación apropiadas para intercambiar mensajes"	Los requisitos en materia de competencia lingüística aplicables en Colombia a pilotos comprenden los descriptores integrales y el nivel lingüístico para la aviación civil de la escala de calificación de competencia lingüística de la UAEAC
PTL	86	DERECHO AEREO	Es posible que las horas voladas como copiloto sean aceptadas como horas de vuelo como piloto de una aeronave ?	С	acuerdo con el Numeral 2.2.1.4.2., se computarán cuatro (4) horas de copiloto por una (1) hora de piloto al mando.	En caso de horas de vuelo cumplidas de acuerdo con el Numeral 2.2.1.4.2., se computarán tres (3) horas de copiloto por una (1) hora de piloto al mando.	En caso de horas de vuelo cumplidas de acuerdo con el Numeral 2.2.1.4.2., se computarán dos (2) horas de copiloto por una (1) hora de piloto al mando.
PTL	87	DERECHO AEREO	"La instrucción recibida por el piloto en un dispositivo de instrucción para simulación de vuelo será aceptable como parte de las 1500 horas, limitando el crédito por dicha experiencia a un máximo de 100 horas"	В	en un entrenador de vuelo aprobado por la UAEAC al correspondiente centro de instrucción aeronáutica."	"Es cierto pero de las cuales, no más de 25 se habrán adquirido en un entrenador de vuelo aprobado por la UAEAC al correspondiente centro de instrucción aeronáutica."	"Es cierto pero de las cuales, no más de 100 se habrán adquirido en un entrenador de vuelo aprobado por la UAEAC al correspondiente centro de instrucción aeronáutica."

PTL	88	DERECHO AEREO	"La licencia de Piloto de Transporte de Línea Aérea - Avión, se expedirá a quien haya de actuar como piloto al mando (Comandante) en aviones de servicios aéreos comerciales de transporte público regular y no regular (pasajeros, correo o carga), en aviones con un peso superior a"	A	5.700 Kg. (12.500 lb.)	5.500 Kg.(12.300 Lb)	5.000 Kg.(12.000 Lb)
PTL	89	DERECHO AEREO	La UAEAC, contempla tres métodos de convalidación de licencias		Personal extranjero que viene con carácter transitorio a capacitar personal colombiano	· · ·	Personal extranjero que viene con carácter transitorio a volar en Colombia
PTL	90	DERECHO AEREO	Los exámenes de vuelo para pilotos de transporte de línea (PTL-PTH) seran presentados ante		Inspectores de la UAEAC o ante Examinadores Designados autorizados.	Inspectores de la UAEAC solamente.	Piloto o Ingeniero Chequeador ó ante Examinador Designado
PTL	91	DERECHO AEREO	"Que conocimientos apropiados a las atribuciones que la licencia de piloto de transporte de línea aérea - AVIÓN confiere a su titular, debe tener?"		transporte aéreo; el reglamento del aire; los métodos y proedimientos de los servicios de tránsito aéreo y el RAC."	Haber realizado cuarenta (40) horas de vuelo por instrumentos , un máximo de veinte horas de vuelo en dispositivo de entrenamiento de vuelo y/o en simulador de vuelo	"Los procedimientos previos al vuelo, que incluirán la utilización de un documento equivalente, y de los documentos correspondientes de los servicios de tránsito aéreo."
PTL	92		Que experiencia de vuelo debe tener un piloto aspirante a obtener la licencia PTL?		tresmil (3.000) horas totales de vuelo como piloto de aviones (piloto al mando o copiloto)"	"será titular de licencia de Piloto Comercial (PCA) y habrá realizado como mínimo mil quinientas (1.500) horas totales de vuelo como piloto de aviones (piloto al mando o copiloto)"	será titular de licencia de Piloto Comercial (PCA) y habrá realizado como mínimo dos mil quinientas (2.500) horas totales de vuelo como piloto de aviones (piloto al mando o copiloto)

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PTL	95	DERECHO AEREO	Que se entiende por tiempo programado ?	С	los casos de los vuelos no publicados en los itinerarios oficiales, se considera como tiempo programado el previsto en el respectivo plan de vuelo. El tiempo programado no debe exceder los limites establecidos para tiempo de vuelo y tiempo de servicio."	previamente aprobado por la direccion de operaciones. En los casos de los vuelos no publicados en los itinerarios, se considera como	
PTL	96	DERECHO AEREO	How far from other parking areas or installations is the parking area designated for aircraft subjected to unlawful interference to be not less than?	В	50 m	100 m	200 m
PTL	97	DERECHO AEREO	An airport security program shall be established by each State for:	В	any airport identified as having a poor safety record.	each airport serving international civil aviation.	airports that are perceived as being under increased threat of acts of unlawful interference.
PTL	98		The movement area of an airfield, the adjacent lands and buildings or the parts of them with controlled access is called:		·	Airside	manoeuvring area
PTL	99	DERECHO AEREO	If an aircraft subjected to an act of unlawful seizure has landed on its territory, each Contracting State shall:	В	let the aircraft depart if it is necessary to protect human life.	A and C	detain the aircraft on ground.
PTL	100	DERECHO AEREO	An aircraft shall not carry munitions of war:	С	unless the commander agrees.	unless they are unloaded and made safe.	unless the written permission of the Authority and the operator is obtained.

PTL	101	DERECHO AEREO	Each State, according ICAO Annex 17, shall ensure the establishment of a security programme:	В	that is common for all airports within State.	at each airport.	for every airline operating in the State.
PTL	102	DERECHO AEREO	Who is responsible to establish security measures?	В	The State of the Operator	Each ICAO contracting State	ICAO
PTL	103	DERECHO AEREO	The national civil aviation security programme shall be established by:	А	each contracting state.	ICAO	ICAO and other organications including the contracting state concerned.
PTL	104	DERECHO AEREO	Standards and Recommended Practices for Security are contained in ICAO Annex:	А	17	15	12
PTL	105	DERECHO AEREO	During taxi to the runway for takeoff, tha aircraft is accidentally taxied onto the grass and the undercarriage is seriously damaged. Nobody on board or on the ground is hurt. What type of occurrence is this?	С	Incident	Serious incident	Accident
PTL	106	DERECHO AEREO	Which of the following defines transition altitude?	А	vertical position then reported as a flight	The flight level below which the vertical position of an aircraft is determined by reference to 1.013 mb.	The altitude below which the vertical position of an aircraft is determined by reference to QFE.
PTL	107	DERECHO AEREO	"You are flying in a mountainous region and you see the letter ""X"" on the ground. What does this mean?"	А		Mechanical assistance required.	All have survived.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	A pilot is flying in IFR weather conditions and has two-way radio communications failure. What altitude should be used?	А	advised to expect, or the MEA, whichever	An altitude that is at least 1,000 feet above the highest obstacle along the route.	A VFR altitude that is above the MEA for each leg.

PTL	110	AVIACIÓN FACTORES	A pilot is holding at an initial approach fix after having experienced two-way radio communications failure. When should that pilot begin descent for the instrument approach?  A pilot is more subject to spatial disorientation when	С	At the EFC time, if this is within plus or minus 3 minutes of the flight plan ETA as amended by ATC.  ignoring or overcoming the sensations of muscles and inner ear.	At flight plan ETA as amended by ATC.  eyes are moved often in the process of cross-checking the flight instruments.	At the EFC time as amended by ATC.  body sensations are used to interpret flight attitudes.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	After experiencing two-way radio communications failure en route, when should a pilot begin the descent for the instrument approach?	A	Upon arrival at any initial approach fix for the instrument approach procedure but not before the flight plan ETA as amended by ATC.	Upon arrival at the holding fix depicted on the instrument approach procedure at the corrected ETA, plus or minus 3 minutes.	At the primary initial approach fix for the instrument approach procedure at the ETA shown on the flight plan or the EFC time, whichever is later.
PTL	I	FACTORES HUMANOS EN LA AVIACIÓN	Hazardous vortex turbulence that might be encountered behind large aircraft is created only when that aircraft is	А	developing lift.	operating at high airspeeds.	using high power settings.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	Haze can give the illusion that the aircraft is	В	closer to the runway than it actually is.	farther from the runway than it actually is.	the same distance from the runway as when there is no restriction to visibility.
PTL	114	FACTORES HUMANOS EN LA AVIACIÓN	How does the wake turbulence vortex circulate around each wingtip?	С	Inward, upward, and around the wingtip.	Counterclockwise when viewed from behind the aircraft.	Outward, upward, and around the wingtip.
PTL	115	FACTORES HUMANOS EN LA AVIACIÓN	Hypoxia is the result of which of these conditions?	А	Insufficient oxygen reaching the brain.	Excessive carbon dioxide in the bloodstream.	Limited oxygen reaching the heart muscles.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	If a pilot is being radar vectored in IFR conditions and losses radio communications with ATC, what action should be taken?		Fly directly to the next point shown on the IFR flight plan and continue the flight.	Squawk 7700 and climb to VFR on Top.	Fly directly to a fix, route, or airway specified in the vector clearance.

PTL		HUMANOS EN LA AVIACIÓN	If you take off behind a heavy jet that has just landed, you should plan to lift off		prior to the point where the jet touched down.	touched down.	at the point where the jet touched down and on the upwind edge of the runway.
PTL	118	FACTORES HUMANOS EN LA AVIACIÓN	In the dark, a stationary light will appear to move when stared at for a period of time. This illusion is known as	С	somatogravic illusion.	ground lighting illusion.	autokinesis.
PTL			It is the responsibility of the pilot and crew to report a near midair collision as a result of proximity of at least	В	50 feet or less to another aircraft.	500 feet or less to another aircraft.	1,000 feet or less to another aircraft.
PTL	120	FACTORES HUMANOS EN LA AVIACIÓN	Loss of cabin pressure may result in hypoxia because as cabin altitude increases	С	the percentage of nitrogen in the air is increased.	the percentage of nitrogen in the air is decreased.	oxygen partial pressure is decreased.
PTL	121	FACTORES HUMANOS EN LA AVIACIÓN	Scanning procedures for effective collision avoidance should constitute	А	looking outside for 15 seconds, then inside for 5 seconds, then repeat.	1 minute inside scanning, then 1 minute outside scanning, then repeat.	looking outside every 30 seconds except in radar contact when outside scanning is unnecessary.
PTL	122	FACTORES HUMANOS EN LA AVIACIÓN	Sudden penetration of fog can create the illusion of	А	pitching up.	pitching down.	leveling off.
PTL	123	FACTORES HUMANOS EN LA AVIACIÓN	The illusion of being in a nose-up attitude which may occur during rapid acceleration takeoff is known as	С	inversion illusion.	autokinesis.	somatogravic illusion.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	To allow pilots of in-trail lighter aircraft to make flight path adjustments to avoid make turbulence, pilots of heavy and large jet aircraft should fly	В	below the established glidepath and slightly to either side of the on-course centerline.	on the established glidepath and on the approach course centerline or runway centerline extended.	above the established glidepath and slightly downwind of the on-course centerline.
PTL	125		To avoid the wingtip vortices of a departing jet airplane during takeoff, the pilot should	В	lift off at a point well past the jet airplane's flightpath.	climb above and stay upwind of the jet airplane's flightpath.	remain below the flightpath of the jet airplane.

PTL	127	AVIACIÓN FACTORES HUMANOS EN LA	safety alerts?  Under what conditions should a pilot on IFR advise ATC of minimum fuel	С	When collision with another aircraft is imminent.  When the fuel supply becomes less than that required for IFR.	need for traffic or landing	When weather conditions are extreme and wind shear or large hail is in the vicinity.  If the remaining fuel precludes any undue delay.
PTL	128	AVIACIÓN FACTORES HUMANOS EN LA AVIACIÓN	status? What airport condition is reported by the tower when more than one wind condition at different positions on the airport is reported?	В	Light and variable.	priority. Wind shear.	Frontal passage.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	What altitude and route should be used if the pilot is flying in IFR weather conditions and has two-way radio communications failure?	А	Continue on the route specified in the clearance and fly the highest of the following: the last assigned altitude, altitude ATC has informed the pilot to expect, or to the MEA.	1	Fly the most direct route to the destination, maintaining the last assigned altitude or MEA, whichever is higher.
PTL	1	FACTORES HUMANOS EN LA AVIACIÓN	What causes hypoxia?	С	Excessive carbon dioxide in the atmosphere.	An increase in nitrogen content of the air at high altitudes.	A decrease of oxygen partial pressure.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	"What does the term ""minimum fuel"" imply to ATC? "	С	Traffic priority is needed to the destination airport.	• • • • • •	Advisory that indicates an emergency situaion is possible should an undue delay occur.
PTL		AVIACIÓN	What effect would a light crosswind have on the wingtip vortices generated by a large airplane that has just taken off?	А	The upwind vortex will tend to remain on the runway longer than the downwind vortex.	A crosswind will rapidly dissipate the strength of both vortices.	The downwind vortex will tend to remain on the runway longer than the upwind vortex.
PTL	1	FACTORES HUMANOS EN LA AVIACIÓN	What illusion, if any, can rain on the windscreen create?	С	Does not cause illusions.	Lower than actual.	Higher than actual.

DTI	124	I A CTODES	What is a summary of south on	I_C	Danid shallow knowledge	Dain and manager of the h	Dissipass
PTL	134	FACTORES	What is a sympton of carbon	C	Rapid, shallow breathing.	Pain and cramping of the hands	Dizziness.
			monoxide poisoning?			and feet.	
		AVIACIÓN					
PTL	l	FACTORES	What is the effect of alcohol	Α	Alcohol has anadverse effect, especially as		Alcohol has little effect if followed by equal quantities of
		HUMANOS EN LA	consumption on functions of the		altitude increases.	human system increase	black coffee.
		AVIACIÓN	body?			judgment and decision-making	
						abbilities.	
PTL	136	FACTORES	What is the hijack code?	В	7200.	7500.	7777.
		HUMANOS EN LA					
		AVIACIÓN					
PTL	137	FACTORES	What is the most effective way to use	В	Look only at far away, dim lights.	Scan slowly to permit offcenter	Concentrate directly on each object for a few seconds.
		HUMANOS EN LA	the eyes during night flight?			viewing.	
		AVIACIÓN					
PTL	138	FACTORES	What minimum condition is suggested	Α	Anytime the pilot is doubtful of a condition	When fuel endurance or	When distress conditions such as fire, mechanical
		HUMANOS EN LA	for declaring an emergency?		that could adversely affect flight safety.	weather will require an en	failure, or structural damage occurs.
		AVIACIÓN				route or landing priority.	-
PTL	139	FACTORES	What wind condition prolongs the	В	Direct tailwind.	Light quartering tailwind.	Light quartering headwind.
		HUMANOS EN LA	hazards of wake turbulence on a				
		AVIACIÓN	landing runway for the longest period				
			of time?				
PTL	140	FACTORES	When making a landing over darkened	Α	high.	low.	shallow.
		HUMANOS EN LA	or featureless terrain such as water or				
		AVIACIÓN	snow, a pilot should be aware of the				
			possibility of illusion. The approach				
			may appear to be too				
			,				
PTL	141	FACTORES	When making an approach to a	В	altitude may be higher than it appears.	altitude may be lower than it	may result in leveling off too high and landing hard.
			narrower-than-usual runway, without		, , , , , , , , , , , , , , , , , , , ,	appears.	, , , , , , , , , , , , , , , , , , , ,
		AVIACIÓN	VASI assistance, the pilot should be			' '	
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PTL	FACTORES HUMANOS EN LA AVIACIÓN	When using the Earth's horizon as a reference point to determine the relative position of other aircraft, most concern would be for aircraft	С	above the horizon and increasing in size.	on the horizon with little relative movement.	on the horizon and increasing in size.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which flight conditions of a large jet airplane create the most severe flight hazard by generating wingtip vortices of the greatest strength?	А	Heavy, slow, gear and flaps up.	Heavy, slow, gear and flaps down.	Heavy, fast, gear and flaps down.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which is the purpose may flight spoilers be used?	С	Aid in longitudinal balance when rolling an airplane into a turn.	Increase the rate of descent without increasing aerodynamic drag.	Reduce the wings' lift upon landing.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which is a common sympton of hyperventilation?	А	Tingling of the hands, legs, and feet.	Increased vision keenness.	Decreased breathing rate.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which observed target aircraft would be of most concern with respect to collision avoidance?	С	One which appears to be ahead and moving from left to right at high speed.	1 ''	One which appears to be ahead with no lateral or vertical movement and is increasing in size.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which procedure is recommended to prevent or overcome spatial disorientation?	С	Reduce head and eye movement to the greatest possible extent.	Rely on the kinesthetic sense.	Rely entirely on the indications of the flight instruments.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which range of codes should a pilot avoid switching through when changing transponder codes?	С	0000 through 1000.	7200 and 7500 series.	7500, 7600, and 7700 series.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which statement is true concerning the wake turbulence produced by a large transport aircraft?	В	Vortices can be avoided by flying 300 feet below and behind the flight path of the generating aircraft.	The vortex characteristics of any given aircraft may be altered by extending the flaps or changing the speed.	Wake turbulence behind a propeller-driven aircraft is negligible because jet engine thrust is a necessary factor in the formation of vortices.
PTL	FACTORES HUMANOS EN LA AVIACIÓN	Which would most likely result in hyperventilation?	А	A stressful situation causing anxiety.	1	An extremely slow rate of breathing and insufficient oxygen.

PTL		HUMANOS EN LA AVIACIÓN	While in IFR conditions, a pilot experiences two-way radio communications failure. Which route should be flown in the absence of an ATC assigned route or a route ATC has advised to expect in a further clearance?			point of departure.	The route filed in the flight plan.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	While making prolonged constant rate turns under IFR conditions, an abrupt head movement can create the illusion of rotation on an entirely different axis. This is known as		autokinesis.	Coriolis illusion.	the leans.
PTL	153	FACTORES HUMANOS EN LA AVIACIÓN	Wingtip vortices created by large aircraft tend to	А	sink below the aircraft generating the turbulence.	rise from the surface to traffic pattern altitude.	accumulate and remain for a period of time at the point where the takeoff roll began.
PTL		FACTORES HUMANOS EN LA AVIACIÓN	You should advise ATC of minimum fuel status when your fuel supply has reached a state where, upon reaching your destination, you cannot accept any undue delay.	С	ATC.	ATC will consider this action as if you had declared an emergency.	If your remaining usable fuel supply suggests the need for traffic priority to ensure a safe landing, declare an emergency due to low fuel and report fuel remaining in minutes.
PTL	155	FACTORES HUMANOS EN LA AVIACIÓN	What illusion, if any, can rain on the windscreen create?	С	Does not cause illusions.	Lower than actual.	Higher than actual.
PTL	156	METEOROLOGÍA	A calm wind that is forecast, in the International Terminal Aerodrome Forecast (TAF), is encoded as	В	VRB00KT.	00000KT.	00003KT.
PTL	157		A clear area in a line of thunderstorm echoes on a radar scope indicates	С		an area of no convective turbulence.	an area where precipitation drops are not detected.
PTL	158		Anti-icing fluid should provide freezing point proctetion to	С	menos 20° F ambient F315	32° F out side temperature or below	A freezing point no greater than 20° F below the ambient or airplane surface temperature

PTL			A PROB40 (PROBability) HHhh group in an International Terminal Aerodrome Forecast (TAF) indicates the probability of A severe thunderstorm is one in which the surface wind is		thunderstorms or other precipitation.  50 knots greater and/or surface hail is 3/4 inch or more in diameter.	precipitation or low visibility.  55 knots or greater and/or surface hail is 1/2 inch or more in diameter.	thunderstorms or high wind.  45 knots or greater and/or surface hail is 1 inch or more in diameter.
PTL	161	METEOROLOGÍA	A squall line is a sudden increase of at least 15 knots in average wind speed to a sustained speed of	В	24 knots or more for at least 1 minute.	22 knots or more for at least 2 minutes.	20 knots or more for at least 1 minute.
PTL	162	METEOROLOGÍA	A strong wind shear can be expected	А	on the low pressure side of a 100 knots jetstream core.	where the horizontal wind shear is 15 knots, in a distance equal to 2.5° longitude.	if the 5° C isotherms are spaced 100 NM or closer together
PTL	163	METEOROLOGÍA	An aircraft that encounters a headwind of 40 knots, within a microburst, may expect a total shear across the microburst of	В	40 knots.	80 knots.	90 knots.
PTL	164	METEOROLOGÍA	An aircraft that encounters a headwind of 45 knots, within a microburst, may expect a total shear across the microburst of	С	40 knots.	80 knots.	90 knots.
PTL	165	METEOROLOGÍA	At lower levels of the atmosphere, friction causes the wind to flow across isobars into a low because the friction	А	decreases windspeed and Coriolis force.	decreases pressure gradient force.	creates air turbulence and raises atmospheric pressure.
PTL	166	METEOROLOGÍA	At which location does Coriolis force have the least effect on wind direction?	С	At the poles.	Middle latitudes (30° to 60°).	At the Equator.
PTL	167	METEOROLOGÍA	Atmospheric pressure changes due to a thunderstorm will be at the lowest value	В	during the downdraft and heavy rain showers.	when the thunderstorm is approaching.	immediately after the rain showers have stopped.

PTL	168	METEOROLOGÍA	Clear air turbulence (CAT) associated with a mountain wave may extend as far as	В	1,000 miles or more downstream of the mountain.	5,000 feet above the tropopause.	100 miles or more upwind of the mountain.
PTL	169	METEOROLOGÍA	Constant pressure analysis charts contain contours, isotherms and some contain isotachs. The contours depict	С	ridges,lows,troughs and hights aloft.	highs,lows,troughs, and ridges on the surface.	highs,lows,troughs,and ridges corrected to MSL.
PTL	170	METEOROLOGÍA	Convective clouds which penetrate a stratus layer can produce which threat to instrument flight?	С	Freezing rain.	Clear air turbulence.	Embedded thunderstorms.
PTL	171	METEOROLOGÍA	Doppler wind measurements indicate tha the windspeed change a piloto may expect when flying through the peak intensity of a microburst is approximately	С	15 Knots	25 Knots	45 Knots
PTL	172	METEOROLOGÍA	During the life cycle of a thunderstorm, which stage is characterized predominately by downdrafts?	В	Cumulus.	Dissipating.	Mature.
PTL	173	METEOROLOGÍA	Freezing Point Depressant (FPD) fluid residue on engine fan or compressor blades	С	can increase performance and cause stalls or surges.	could cause FDP vapors to enter the aircraft but would have no affect on engine thrust or power.	can reduce engine performance and cause surging and/or compressor stalls.
PTL	174	METEOROLOGÍA	"Freezing Point Depressant (FPD) fluids are highly soluble in water;however, "	С	Ice is slow to absorb it but fast to melt when in contac whit FPD	Ice absorbs it very fast but is slow to melt when in contac whit it	Ice is slow to absorb it, an to melt when in contac with it.
PTL	175	METEOROLOGÍA	Freezing Point Depressant (FPD) fluids used for deicing	В	provide ice protection during flight.	are intended to provide ice protection on the ground only.	on the ground, cause no performance degradation during takeoff.
PTL	176	METEOROLOGÍA	Freezing rain encountered during climb is normally evidence that	В	a climb can be made to a higher altitude without encountering more than light icing.	a layer of warmer air exists above.	ice pellets at higher altitudes have changed to rain in the warmer air below.

PTL	177	METEOROLOGÍA	How are haze layers cleared or dispersed?	В	By convective mixing in cool night air.	By wind or the movement of air.	By evaporation similar to the clearing of fog.
PTL	178	METEOROLOGÍA	How can the stability of the atmosphere be determined?	А	Ambient temperature lapse rate.	Atmospheric pressure at various levels.	Surface temperature/dewpoint spread.
PTL	179	METEOROLOGÍA	How does Coriolis force affect wind direction in the Southern Hemisphere?	А	Causes clockwise rotation around a low.	Causes wind to flow out of a low toward a high.	Has exactly the same effect as in the Northern Hemisphere.
PTL	180	METEOROLOGÍA	In comparison to an approach in a moderate headwind, which is an indication of a possible wind shear due to a decreasing headwindwhen descending on the glide slope?	В	Less power is required.	Higher pitch attitude is required.	Lower descent rate is required.
PTL	181	METEOROLOGÍA	"In the International Terminal Aerodrome Forecast (TAF), a variable wind direction is noted by ""VRB"" where the three digit direction usually appears. A calm wind appears in the TAF as "		00003KT.	VRB00KT.	00000KT.
PTL	182	METEOROLOGÍA	In which meteorological conditions can frontal waves and low pressure areas form?	В	Warm fronts or occluded fronts.	Slow-moving cold fronts or stationary fronts.	Cold front occlusions.
PTL	183	METEOROLOGÍA	Isobars on a surface weather chart represent lines of equal pressure	В	at the surface	reduced to sea level	at a given atmospheric pressure altitude
PTL	184	METEOROLOGÍA	Maximum downdrafts in a microburst encounter may be as strong as	С	1,500 ft/min.	4,500 ft/min.	6,000 ft/min.
PTL	185	METEOROLOGÍA	Maximum downdrafts in a microburst encounter may be as strong as	С	8,000 ft/min.	7,000 ft/min.	6,000 ft/min.

PTL	186	METEOROLOGÍA	METAR KHRO 131753Z 09007KT 7SM FEW020 BKN040 30/27 A3001. SPECI KHRO 131815Z 13017G26KT 3SM +TSRA SCT020 BKN045TCU 29/24 A2983 RMK RAB12 WS TKO LDG RW14R FRQ LTGICCG VC.What change has taken place between 1753 and 1815 UTC at Harrison (KHRO)?	В	The ceiling lowered and cumulonimbus clouds developed.	Thundershowers began at 12 minutes past the hour.	Visibility reduced to IFR conditions.
PTL	187	METEOROLOGÍA	METAR KMAF 131756Z 02020KT 12SM BKN025 OVC250 27/18 A3009 RMK RAE44. Which weather condition is indicated by this METAR report at Midland (KMAF)?	А	Rain of unknown intensity ended 16 minutes before the hour.	The ceiling was at 25,000 feet MSL.	Wind was 020° magnetic at 20 knots.
PTL	188	METEOROLOGÍA	METAR KSPS 131757Z 09014KT 6SM - RA SCT025 OVC090 24/22 A3005. SPECI KSPS 131820Z 01025KT 3SM +RA FC OVC015 22/21 A3000. Which change took place at Wichita Falls (KSPS) between 1757 and 1820 UTC?	С	The rain became lighter.	Atmospheric pressure increased.	A funnel cloud was observed.
PTL	189	METEOROLOGÍA	On the constant pressure analysis chart, aircraft and satellite observations are used in the analysis over areas of sparse data. An aircraft observation is plotted using	В	a station circle at the aircraft location.	a square at the aircraft location.	a star at the aircraft location.
PTL	190	METEOROLOGÍA	On the constant pressure analysis chart, satellite and aircraft observations are used in the analysis over areas of sparse data. A satellite observation is plotted using	С	a station circle at the cloud top location.	a square at the cloud top location.	a star at the cloud top location.

PTL	191	METEOROLOGÍA	Snow on top of deicing or anti-icing fluids	В	need not be considered as adhering to the aircraft.	must be considered as adhering to the aircraft.	must be considered as adhering to the aircraft, but a safe takeoff can be made as it will blow off.
PTL	192	METEOROLOGÍA	SPECI KGLS 131802Z 10012G21KT 060V140 2SM+SHRA SCT005BKN035 OVC050CB24/23 A2980 RMK RAB57 WS TKO RW09L WSHFT 58 FROPA. This SPECI report at Galveston (KGLS) indicates which condition?	В	Wind steady at 100° magnetic at 12 knots, gusts to 21.	-	5,000 feet overcast with towering cumulus.
PTL	193	METEOROLOGÍA	Test data indicate that ice, snow, or frost having a thickness and roughness similar to medium or coarse sandpaper on the leading edge and upper surface of a wing can	С	reduce lift by as much as 40 percent and increase drag by 30 percent.	increase drag and reduce lift by as much as 40 percent.	reduce lift by as much as 30 percent and increase drag by 40 percent.
PTL	194	METEOROLOGÍA	Test data indicate that ice, snow, or frost having a thickness and roughness similar to medium or coarse sandpaper on the leading edge and upper surface of a wing can	В	reduce lift by as much as 40 percent and increase drag by 30 percent.	reduce lift by as much as 30 percent and increase drag by 40 percent.	increase drag and reduce lift by as much as 40 percent.
PTL	195	METEOROLOGÍA	The adverse effects of ice, snow, or frost on aircraft performance and flight characteristics include decreased lift and	С	increased thrust.	a decreased stall speed.	an increased stall speed.
PTL	196	METEOROLOGÍA	The horizontal wind shear, critical for turbulence (moderate or greater) per 150 miles is	В	18 knots or less.	greater than 18 knots.	not a factor, only vertical shear is a factor.
PTL	197	METEOROLOGÍA	The prevailing visibility in the following METAR is METAR KFSM 131756Z AUTO 00000KT M1/4SM R25/0600V1000FT - RA FG VV004 06/05 A2989 RMK AO2 \$	A	less than 1/4 statute mile.	measured 1/4 statute mile.	a mean (average) of 1/4 statute mile.

PTL	198	METEOROLOGÍA	The purpose of diluting ethylene glycol deicing fluid with water in non-precipitation conditions is to	В	raise the eutectic point.	decrease the freeze point.	increase the minimum freezing point (onset of crystallization).
PTL	199	METEOROLOGÍA	The VV001 in the following METAR indicates METAR KFSM 131756Z AUTO 00000KT M1/4SM R25/0600V1000FT - RA FG VV001 A2989 RMK AO2 VIS 3/4 RWY19 CHINO RWY19 \$		an observer reported the vertical visibility as 100 feet.	a 100 foot indefinite ceiling.	the variability value is 100 feet.
PTL	200	METEOROLOGÍA	Thrust is being managed to maintain desired indicated airspeed and the glide slope is being flown. Which characteristics should be observed when a tailwind shears to a constant headwind?		PITCH ATTITUDE: Increases. VERTICAL SPEED: Increases. INDICATED AIRSPEED: Decreases, then increases to approach speed.	PITCH ATTITUDE: Increases. VERTICAL SPEED: Decreases. INDICATED AIRSPEED: Increases, then decreases.	PITCH ATTITUDE: Increases. VERTICAL SPEED: Increases. INDICATED AIRSPEED: Decreases, then increases to approach speed.
PTL	201	METEOROLOGÍA	Turbulence encountered above 15,000 feet AGL, not associated with cloud formations, should be reported as	С	convective turbulence.	high altitude turbulence.	clear air turbulence.
PTL	202	METEOROLOGÍA	Under what conditions would clear air turbulence (CAT) most likely be encountered?	A	When constant pressure charts show 20-knot isotachs less than 60 NM apart.	When constant pressure charts show 60-knot isotachs less than 20 NM apart	When a sharp trough is moving at a speed less than 20 knots.
PTL	203		Vertical wind shear can be determined by comparing winds on vertically adjacent constant pressure charts. The vertical wind shear that is critical for probability of turbulence is		4 knots or greater per 1,000 feet.	6 knots or more pre 1,000 feet	greater than 8 knots per 1,000 feet

PTL	204	METEOROLOGÍA	"Weather conditions expected to occur in the vicinity of the airport, but not at the airport, are denoted by the letters ""VC"". When VC appears in a Terminal Aerodrome Forecast, it	A	a 5 to 10 statute mile radius from the airport.	a 5-mile radius of the center of a runway complex.	10 miles of the station originating the forecast.
DT:	205	METEORGE	covers a geographical area of "				
PTL	205	METEOROLOGÍA	What action is recommended when encountering turbulence due to a wind shift associated with a sharp pressure trough?	A	Establish a course across the trough.	Climb or descend to a smoother level.	Increase speed to get out of the trough as soon as possible.
PTL	206	METEOROLOGÍA	What characterizes a ground-based inversion?	С	Convection currents at the surface.	Cold temperatures.	Poor visibility.
PTL	207	METEOROLOGÍA	What condition is indicated when ice pellets are encountered during flight?	В	Thunderstorms at higher levels.	Freezing rain at higher levels.	Snow at higher levels.
PTL	208	METEOROLOGÍA	What condition is necessary for the formation of structural icing in flight?	С	Supercooled water drops.	Water vapor.	Visible water.
PTL	209	METEOROLOGÍA	What condition produces the most frequent type of ground- or surface-based temperature inversion?	С	The movement of colder air under warm air or the movement of warm air over cold air.	Widespread sinking of air within a thick layer aloft resulting in heating by compression.	Terrestrial radiation on a clear, relatively calm night.
PTL	210	METEOROLOGÍA	What feature is associated with a temperature inversion?	А	A stable layer of air.	An unstable layer of air.	Air mass thunderstorms.
PTL	211	METEOROLOGÍA	What feature is normally associated with the cumulus stage of a thunderstorm?	С	Beginning of rain at the surface.	Frequent lightning.	Continuous updraft.

PTL		METEOROLOGÍA	"What information from the control tower is indicated by the following transmission? ""SOUTH BOUNDARY WIND ONE SIX ZERO AT TWO FIVE, WEST BOUNDARY WIND TWO FOUR ZERO AT THREE FIVE"". "			west side of the active runway.	
PTL	213	METEOROLOGÍA	What is a characteristic of the troposphere?	В	It contains all the moisture of the atmosphere.	There is an overall decrease of temperature with an increase of altitude.	The average altitude of the top of the troposphere is about 6 miles.
PTL	214	METEOROLOGÍA	What is a difference between an air mass thunderstorm and a steady-state thunderstorm?	I	updraft.	Air mass thunderstorm downdrafts and precipitation retard and reverse the updrafts.	Steady-state thunderstorms are associated with local surface heating.
PTL	215	METEOROLOGÍA	What is a feature of a stationary front?		the speed of the cold front surface.	Weather conditions are a combination of strong cold front and strong warm front weather.	Surface winds tend to flow parallel to the frontal zone.
PTL	216	METEOROLOGÍA	What is a feature of air movement in a high pressure area?	l .		Descending to the surface and then outward.	Moving outward from the high at high altitudes and into the high at the surface.
PTL	217	METEOROLOGÍA	What is a feature of supercooled water?	В	The water drop sublimates to an ice particle upon impact.	The unstable water drop freezes upon striking an exposed object.	The temperature of the water drop remains at 0 °C until it impacts a part of the airframe, then clear ice accumulates.
PTL	218	METEOROLOGÍA	What is an important characteristic of wind shear?	С	vortices generated by thunderstorms.	It usually exists only in the vicinity of thunderstorms, but may be found near a strong temperature inversion.	It may be associated with either a wind shift or a wind speed gradient at any level in the atmosphere.
PTL	219	METEOROLOGÍA	What is indicated about an air mass if the temperature remains unchanged or decreases slightly as altitude is increased?	С	The air is unstable.	A temperature inversion exists.	The air is stable.

PTL	220	METEOROLOGÍA	"What is indicated by the term ""embedded thunderstorms""? "	С	Severe thunderstorms are embedded in a squall line.	Thunderstorms are predicted to develop in a stable air mass.	Thunderstorms are obscured by other types of clouds.
PTL	221	METEOROLOGÍA	What is likely location of clear air turbulence?	А		Near a ridge aloft on the equatorial side of a high pressure flow.	Downstream of the equatorial side of a jetstream.
PTL	222	METEOROLOGÍA	What is the approximate rate unsaturated air will cool flowing upslope?	А	3° per 1,000 feet.	2° per 1,000 feet.	4° per 1,000 feet.
PTL	223	METEOROLOGÍA	What is the effect of Freezing Point Depressant (FPD) fluid residue on engine fan or compressor blades?	С	could cause FPD vapors to enter the aircraft but would have no affect on engine thrust or power.	It can increase performance and cause stalls or surges.	It can reduce engine performance and cause surging and/or compressor stalls.
PTL	224	METEOROLOGÍA	What is the expected duration of an individual microburst?	С	Five minutes with maximum winds lasting approximately 2 to 4 minutes.	One microburst may continue for as long as an hour.	Seldom longer than 15 minutes from the time the burst strikes the ground until dissipation.
PTL	225	METEOROLOGÍA	What is the general direction of movement of a hurricane located in the Caribbean or Gulf of Mexico?	А	Nortwesterly curving to northeasterly.	Westerly, until encountering land ,then easterly.	Counterclockwise over oper water, then dissipating outward over land.
PTL	226	METEOROLOGÍA	What is a likely location of clear air turbulences?	А	In a upper trough on the polar side a jetstream.	Near a ridge aloft on the equatorial side of a high pressure flow.	Downstream of the equatorial side of a jetstream.
PTL	227	METEOROLOGÍA	What is the expected duration of an individual microburst?	С	Two minutes with maximum winds lasting approximately 1 minute.	One microburst may continue for as long as 2 to 4 hours.	Seldom longer than 15 minutes from the time the burst strikes the ground until dissipation.
PTL	228	METEOROLOGÍA	What is the lowest cloud in the stationary group associated with a mountain wave?	А	Rotor cloud.	Standing lenticular.	Low stratus.
PTL	229	METEOROLOGÍA	What is the primary cause of all changes in the Earth's weather?	А	Variations of solar energy at the Earth's surface.	Changes in air pressure over the Earth's surface.	Movement of air masses from moist areas to dry areas.

PTL	230	METEOROLOGÍA	What is the recommended technique to counter the loss of airspeed and resultant lift from wind shear?	С	Lower the pitch attitude and regain lost airspeed.	"Avoid overstressing the aircraft, ""pitch to airspeed,"" and apply maximum power."	Maintain, or increase, pitch attitude and accept the lower-than-normal airspeed indications.
PTL	231	METEOROLOGÍA	What is the result when water vapor changes to the liquid state while being lifted in a thunderstorm?	А	Latent heat is released to the atmosphere.	Latent heat is transformed into pure energy.	Latent heat is absorbed from the surrounding air by the water droplet.
PTL	232	METEOROLOGÍA	What is the single source reference that contains information regarding volcanic eruption, turbulence, and icing conditions for a specific region?	В	Weather Depiction Chart	In flight weather advisories	Area forecast
PTL	233	METEOROLOGÍA	What minimum thickness of cloud layer is indicated if precipitation is reported as light or greater intensity?	А	4,000 feet thick.	2,000 feet thick.	A thickness which allows the cloud tops to be higher than the freezing level.
PTL	234	METEOROLOGÍA	What temperature condition is indicated if precipitation in the form of wet snow occurs during flight?	А	The temperature is above freezing at flight altitude.	The temperature is above freezing at higher altitudes.	There is an inversion with colder air below.
PTL	235	METEOROLOGÍA	What term describes an elongated area of low pressure?	А	Trough.	Ridge.	Hurricane or Typhon.
PTL	236	METEOROLOGÍA	What type turbulence should be reported when it causes in altitude and/or attitude more than two-thirds of the time, with the aircraft remaining in positive control at all times?	В	Continuous severe chop.	Continuous moderate turbulence.	Intermittent moderate turbulence.
PTL	237	METEOROLOGÍA	What type turbulence should be reported when it momentarily causes slight, erratic chnages in altitude and/or attitude, one-third to two-thirds of the time?	С	Occasional light chop.	Moderate chop.	Intermittent light turbulence.

PTL	238	METEOROLOGÍA	What type weather change is to be expected in an area where frontolysis is reported?	В	The frontal weather is becoming stronger.	The front is dissipating.	The front is moving at a faster speed.
PTL	239	METEOROLOGÍA	What weather condition occurs at the altitude where the dewpoint lapse rate and the dry adiabatic lapse rate converge?	А	Cloud bases form.	Precipitation starts.	Stable air changes to unstable air.
PTL	240	METEOROLOGÍA	"What weather difference is found on each side of a ""dry line""? "	В	Extreme temperature difference.	Dewpoint difference.	Stratus versus cumulus clouds.
PTL	241	METEOROLOGÍA	What weather feature occurs at altitude levels near the tropopause?	А		Abrupt temperature increase above the tropopause.	Thin layers of cirrus (ice crystal) clouds at the tropopause level.
PTL	242	METEOROLOGÍA	What weather is predicted by the term VCTS in a Terminal Aerodrome Forecast?	А		Thunderstorms may occur over the station and within 50 miles of the station.	Thunderstorms are expected between 5 and 25 miles of the runway complex.
PTL	243	METEOROLOGÍA	When advection fog has developed, what may tend to dissipate or lift the fog into low stratus clouds?	В	Temperature inversion.	Wind stronger than 15 knots.	Surface radiation.
PTL	244	METEOROLOGÍA	When does minimum temperature normally occur during a 24-hour period?	А	After sunrise.	About 1 hour before sunrise.	At midnight.
PTL	245	METEOROLOGÍA	When flying over the top of a severe thunderstorm, the cloud should be overflown by at least	А	1,000 feet for each 10 knots windspeed.	2,500 feet.	500 feet above any moderate to a severe turbulence layer.
PTL	246	METEOROLOGÍA	When saturated air moves downhill, its temperature increases	В		at a slower rate than dry air because vaporization uses heat.	at a slower rate than dry air because condensation releases heat.
PTL	247	METEOROLOGÍA	When will frost most likely form on aircraft surfaces?	А	On clear nights with stable air and light winds.	On overcast nights with freezing drizzle precipitation.	On clear nights with convective action and a small temperature/dewpoint spread.

PTL	248	METEOROLOGÍA	Where are jetstreams normally located?	В	In areas of strong low pressure systems in the stratosphere.	At the tropopause where intensified temperature gradients are located.	In a single continuous band, encircling the Earth, where there is a break
PTL	249	METEOROLOGÍA	Where can the maximum hazard zone caused by wind shear associated with a thunderstorm be found?	С	In front of the thunderstorm cell (anvil side) and on the southwest side of the cell.	Ahead of the roll cloud or gust front and directly under the anvil cloud.	On all sides and directly under the thunderstorm cell.
PTL	250	METEOROLOGÍA	Where do squall lines most often develop?	В	In an occluded front.	Ahead of a cold front.	Behind a stationary front.
PTL	251	METEOROLOGÍA	Where do the maximum winds associated with the jetstream usually occur?	А	In the vicinity of breaks in the tropopause on the polar side of the jet core.	Below the jet core where a long straight stretch of the jetstream is located.	On the equatorial side of the jestream where moisture has formed cirriform clouds.
PTL	252	METEOROLOGÍA	Where is a common location for an inversion?	В	At the tropopause.	In the stratosphere.	At the base of cumulus clouds.
PTL	253	METEOROLOGÍA	Where is the normal location of the jetstream relative to surface lows and fronts?	А	The jetstream is located north of the surface systems.	The jetstream is located south of the low and warm front.	The jetstream is located over the low and crosses both the warm front and the cold front.
PTL	254	METEOROLOGÍA	Where is the usual location of a thermal low?	С	Over the arctic region.	Over the eye of a hurricane.	Over the surface of a dry, sunny region.
PTL	255	METEOROLOGÍA	Which action is recommended if jetstream turbulence is encountered with a direct headwind or tailwind?	С	Increase airspeed to get out of the area quickly.	Change occurs to fly on the polar side of the jetstream.	Change altitude or course to avoid a possible elongated area.
PTL	256	METEOROLOGÍA	Which action is recommended regarding an altitude change to get out of jetstream turbulence?	А	Descend if ambient temperature is falling.	Descend if ambient temperature is rising.	Maintain altitude if ambient temperature is not changing.
PTL	257	METEOROLOGÍA	Which airplane performance characteristics should be recognized during takeoff when encountering a tailwind shear that increases in intensity?	А	Loss of, or diminished, airspeed performance.	Decreased takeoff distance.	increase climb perfomance inmediatelyafter takeoff
PTL	258	METEOROLOGÍA	Which are the only cloud types forecast in the Terminal Aerodrome Forecast?	В	Altocumulus.	Cumulonimbus.	Stratocumulus.

PTL			Which area or areas of the Northern Hemisphere experience a generally east to west movement of weather systems?		Arctic only		Subtropical only
PTL	260	METEOROLOGÍA	Which arttic flying hazard is cause when a cloud layer of uniform thickness overlies a snow or ice covered surface?	В	Ice fog	Whiteout	Blowing snow.
PTL	261	METEOROLOGÍA	Which atmospheric factor cause rapid movement of surface fronts?	A	Upper winds blowing across the front.	Upper low located directly over the surface low.	The cold front overtaking and lifting the warm front.
PTL	262	METEOROLOGÍA	Which condition is present when a local parcel of air is stable?	А	The parcel of air resists convection.	The parcel of air cannot be forced uphill.	As the parcel of air moves upward, its temperature becomes warmer than the surrounding air.
PTL	263	METEOROLOGÍA	Which condition produces weather on the lee side of a large lake?	А	Warm air flowing over a colder lake may produce fog.	Cold air flowing over a warmer lake may produce advection fog.	Warm air flowing over a cool lake may produce rain showers.
PTL	264	METEOROLOGÍA	Which condition would INITIALLY cause the indicated airspeed and pitch to increase and the sink rate to decrease?	С	Sudden decrease in a headwind component.	Tailwind which suddenly increases in velocity.	Sudden increase in a headwind component.
PTL	265	METEOROLOGÍA	Which conditions are necessary for the formation of upslope fog?	1	Moist, stable air behind moved over gradually rising ground by a wind.	A clear sky, little or no wind, and 100 percent relative humidity.	Rain falling through stratus clouds and a 10- to 25-knot wind moving the precipitation up the slope.
PTL	266	METEOROLOGÍA	Which conditions result in the formation of frost?	С	The temperature of the collecting surface is at or below freezing and small droplets of moisture are falling.	Dew collects on the surface and then freezes because the surface temperature is lower than the air temperature.	Temperature of the collecting surface is below the dewpoint and the dewpoint is also below freezing.
PTL	267	METEOROLOGÍA	Which event usually occurs after an aircraft passes through a fron into the colder air?	С	Temperature/dewpoint spread decreases.	Wind direction shifts to the left.	Atmospheric pressure increases.
PTL	268	METEOROLOGÍA	Which feature is associated with the tropopause?	С	Absence of wind and turbulence.	Absolute upper limit of cloud formation.	Abrupt change of temperature lapse rate.

PTL			Which INITIAL cockpit indications should a pilot be aware of when a constant tailwind shears to a calm wind?  Which INITIAL cockpit indications	C	"Altitude increases; pitch and indicated airspeed decrease."  Indicated airspeed decreases, aircraft	Altitude, pitch, and indicated airspeed decrease.  Indicated airspeed increases,	Altitude, pitch, and indicated airspeed increase.  Indicated airspeed decreases, aircraft pitches down, and
			should a pilot be aware of when a headwind shears to a calm wind?		pitches up, and altitude decreases.	aircraft pitches down, and altitude increases.	altitude decreases.
PTL	271	METEOROLOGÍA	What should the deice/anti-ice fluid temperature be during the last step of a two-phaseprocess?		Hot	Warm front.	Cold front occlusions.
PTL	272	METEOROLOGÍA	"Which is a definition of ""severe wind shear""? "	1	"Any rapid change of horizontal wind shear in excess of 25 knots; vertical shear excepted."	Any rapid change in wind direction or velocity which causes airspeed changes greater than 15 knots or vertical speed changes greater than 500 ft/min.	Any rapid change of airspeed greater than 20 knots which is sustained for more than 20 seconds or vertical speed changes in excess of 100 ft/min.
PTL	273	METEOROLOGÍA	Which is a necessary condition for the occurrence of a low-level temperature inversion wind shear?	1	,	A calm or light wind near the surface and a relatively strong wind just above the inversion.	A wind direction difference of at least 30° between the wind near the surface and the wind just above the inversion.
PTL	274	METEOROLOGÍA	Which is an effect of ice, snow, or frost formation on an airplane?	А	Increased stall speed	Increased pitchdown tendencies	increase angle of attack for stalls
PTL	275	METEOROLOGÍA	Which of the following will decrease the holding time during anti-icing using a two-step process?	1	Ap`ly heated type 2 fluid	Decrease the water content	Increase the viscosity of type 1 fluid
PTL	276	METEOROLOGÍA	Which primary source contains information regarding the expected weather at the destination airport, at the ETA?	С	Low-Level Prog Chart.	Radar Summary and Weather Depiction Charts.	Terminal Aerodrome Forecast.

PTL	277	METEOROLOGÍA	Which procedure increases holding time when deicing/anti-icing an airplane using a two-step process?	А	Heated Type 1 fluid followed by cold Type 2 fluid.	Cold Type 2 fluid followed by hot Type 2 fluid.	Heated Type 1 or 2 fluid followed by cold Type 1 fluid.
PTL	278	METEOROLOGÍA	Which process causes adiabatic cooling?	А	Expansion of air as it raises.	Movement of air over a colder surface.	Release of latent heat during the vaporization process.
PTL	279	METEOROLOGÍA	Which term applies when the temperature of the air changes by compression or expansion with no heat added or removed?	С	Katabatic.	Advection.	Adiabatic.
PTL	280	METEOROLOGÍA	Which type cloud is associated with violent turbulence and a tendency toward the production of funnel clouds?	А	Cumulonimbus mamma.	Standing lenticular.	Stratocumulus.
PTL	281	METEOROLOGÍA	Which type clouds are indicative of very strong turbulence?	В	Nimbostratus.	Standing lenticular.	Cirrocumulus.
PTL	282	METEOROLOGÍA	Which type clouds may be associated with the jetstream?	В	Cumulonimbus cloud line where the jetstream crosses the cold front.	Cirrus clouds on the equatorial side of the jetstream.	Cirrostratus cloud band on the polar side and under the jetstream.
PTL	283	METEOROLOGÍA	Which type frontal system is normally crossed by the jetstream?	С	Cold front and warm front.	Warm front.	Occluded front.
PTL	284	METEOROLOGÍA	Which type jetstream can be expected to cause the greater turbulence?	С	A straight jetstream associated with a high pressure ridge.	A jetstream associated with a wide isotherm spacing.	A curving jetstream associated with a deep low pressure trough.
PTL	285	METEOROLOGÍA	Which type of icing is associated with the smallest size of water droplet similar to that found in low-level stratus clouds?	С	Clear ice.	Frost ice.	Rime ice.
PTL	286	METEOROLOGÍA	Which type precipitation is an indication that supercooled water is present?	В	Wet snow.	Freezing rain.	Ice pellets.

PTL	287	METEOROLOGÍA	Which type storms are most likely to produce funnel clouds or tornadoes?	В	Air mass thunderstorms.	Cold front or squall linde thuunderstorms.	Storms associated with icing and supercooled water.
PTL	288	METEOROLOGÍA	Which type weather conditions are covered in the Convective SIGMET	А	Embedded thunderstorms, lines of thunderstorms, and thunderstorms with 3/4-inch hail or tornadoes.	Cumulonimbus clouds with tops above the tropopause and thunderstorms with 1/2-inch hail or funnel clouds.	Any thunderstorm with a severity level of VIP 2 or more
PTL	289	METEOROLOGÍA	Which type wind flows downslope becoming warmer and dryer?	С	Land breeze.	Valley wind.	Katabatic wind.
PTL	290	METEOROLOGÍA	Which weather condition is an example of a nonfrontal instability band?	А	Squall line.	Advective fog.	Frontogenesis.
PTL	291	METEOROLOGÍA	Which weather condition is defined as an anticyclone?	В	Calm.	High pressure area.	low pressure area
PTL	292	METEOROLOGÍA	Which weather condition is present when the tropical stor is upgraded to a hurricane?	С	Highest windspeed, 100 knots or more.	A clear area of hurricane eye has formed.	Sustained winds of 65 knots or more.
PTL	293	METEOROLOGÍA	Which weather phenomenon signals the beginning of the mature stage of a thunderstorm?	В	The appearance of an anvil top.	The start of rain at the surface.	Growth rate of the cloud is at its maximum.
PTL	294	METEOROLOGÍA	Which wind-shear condition results in a loss of airspeed?	В	Decreasing headwind or tailwind.	Decreasing headwind and increasing tailwind.	Increasing headwind and decreasing tailwind.
PTL	295	METEOROLOGÍA	Which wind-shear condition results in an increase in airspeed?	С	Increasing tailwind and decreasing headwind.	Increasing tailwind and headwind.	Decreasing tailwind and increasing headwind.
PTL	296	METEOROLOGÍA	Why are downdrafts in a mature thunderstorm hazardous?	А	Downdrafts are kept cool by cold rain which tends to accelerate the downward velocity.	Downdrafts converge toward a central location under the storm after striking the surface.	Downdrafts become warmer than the surrounding air and reverse into an updraft before reaching the surface.
PTL	297	METEOROLOGÍA	A breaking action given by ATS of 0,25 and below is:	С	medium/poor	good	poor
PTL	298	METEOROLOGÍA	On a wet runway:	А	the surface is soaked but no significant patches of standing water are visible.	the surface shows a change of colour due to moisture.	significant patches of standing water are visible.

PTL	299	METEOROLOGÍA	The duration of an ATIS message should not exceed:	В	1 minute.	30 seconds.	2 minutes.
PTL	300	METEOROLOGÍA	"A runway would not be reported as ""flooded"" unless:"	С	significant patches of standing water are visible.	30% of the runway surface is covered to a depth between 3 mm and 15 mm with water.	extensive standing water is visible.
PTL	301	METEOROLOGÍA	The SIGMET service in the ATP is in the following part:	А	GEN	AGA	ENR
PTL	302	METEOROLOGÍA	The contents of Aeronautical Information Publication (AIP) are:	А	GEN, ENR (enroute) and AD (aerodromes).	GEN, AGA, COM, RAC, FAL, SAR, MET, MAP.	GEN, AGA, COM, ENR, FAL.
PTL	303	METEOROLOGÍA	"What is the meaning of ""WIP""?"	С	With permission	With effect from	Work in progress.
PTL	304	METEOROLOGÍA	The ICAO document concerning the provision of the AIS is Annex to the Convention on Civil Aviation.	В	9	15	7
PTL	305	METEOROLOGÍA	A detailed description of lower ATS routes can be found in part section of the AIP.	В	"1; ENRO"	"2; ENR3"	"3; ADO"
PTL	306	METEOROLOGÍA	An aircraft in flight in an IFR would receive a report of severe turbulence in theformat.	А	SIGMET	SPECI	AIREP
PTL	307	METEOROLOGÍA	Select the acronym corresponding to the following definition: an special NOTAM series notifying, by means of a specific format, an important change for the aircraft operations, due to a volcano activity, a volcano eruption or a volcanic ash cloud.	С	VULTAM	NAVTAM	ASHTAM
PTL	308	METEOROLOGÍA	Which of the following is information that is not given in AIP approach and landing charts:	В	DME frequencies	visibility minima	OCH or OCA

PTL	309	METEOROLOGÍA	Each contrating state shall provide an Aeronautical Information Service (AIS) in its territory and for areas in which the state is responsible for the Air Traffic Services outside its territory, and this shall include the preparation and origination of:	В	only NOTAM's and Circulars.	integrated Aeronautical Information Package.	only AIP and NOTAM's.
PTL	310	METEOROLOGÍA	Which of the following phenomena would cause a SIGMET to be transmitted to aircraft flying at subsonic cruising levels?	С	Cumulo-nimbus cloud, volcanic ash or severe icing.	Active thunderstorms, moderate or severe turbulence or heavy hail.	Severe line squalls, heavy hail or severe icing.
PTL	311	METEOROLOGÍA	The temporary, long-term modification (3 months or more) and the short-term extensive or graphical information are published as follows:	С	AIP Amendments	trigger NOTAM	AIP Supplements
PTL	312	METEOROLOGÍA	The identification of each prohibited, restricted and danger area shall be composed by:	С	the nationality letters for the location indicators assigned to the state, followed by P, R and D.	the letters P (Prohibited), R (Restricted) and D (Dangerous) for the area concerned and figures.	the nationality letters for location indicators assigned to the state or territory, followed the letters P, R and D and figures.
PTL	313	METEOROLOGÍA	Runway Visual Range is reported and passed to an aircraft when the visibility falls below:	А	1.500 m	1.500 ft	1.100 m
PTL	314	METEOROLOGÍA	Which of the following describe the state of the surface of a runway?	В	"Wet; damp; flushed; contaminated."	"Dry; damp; wet; water patches; flooded."	"Dry; wet; water patches; flooded."
PTL	315	METEOROLOGÍA	Surface friction information is provided for:	С	the whole runway	each 1/2 of the runway	each 1/3 of the runway
PTL	316	METEOROLOGÍA	Which of the following has had a significant effect on the role and importance of aeronautical information and flight data?	В	ICAO	The introduction of RNAV, RNP and computer systems.	The speed of aeroplanes.

PTL	317	NAVEGACIÓN	In a precision approach category I lighting sysem, the center line and crossbar lights shall be:	С	fixed lights showing variable green.	flashing lights showing variable white.	fixed lights showing variable white.
PTL	318	NAVEGACIÓN	Where on a taxiway is the runway vacated sign located?	В	30 m from the runway center line.	At the boundary of the ILS/MLS sensitive area.	60 m from the runway center line.
PTL	319	NAVEGACIÓN	Runway center line lights must be provided:	В	on runways equipped for category I precision approaches.	on a precision approach runway category II or III.	on runways intended to be used for takeoff with an RVR>400 m by aeroplanes with high landing speeds.
PTL	320	NAVEGACIÓN	Touchdown zone markings are placed:	А	150 m from the runway threshold.	300 m from the runway threshold.	450 m from the runway threshold.
PTL	321	NAVEGACIÓN	Runway end lights shall be:	С	fixed lights showing variable red.	fixed lights showing variable white.	fixed unidirectional lights showing red in the direction of the runway.
PTL	322	NAVEGACIÓN	What is required if a stop bar is not provided at a taxi-holding position and the runway is intended to be used in RVR condition less than 550 m?	В	Traffic lights.	Specific operational procedures to limit the number of aircraft on the manoeuvring area to one at a time and vehicles on the manoeuvring area to the essential minimum.	Ground movement radar.
PTL	323	NAVEGACIÓN	Alternate yellow and green centerline lights of a taxiway indicate:	С	the proximity of a runway.	a rapid exit taxiway.	an ILS/MLS critical/sensitive area.
PTL	324	NAVEGACIÓN	Taxiway center line lights on a taxiway other than an exit taxiway shall be fixed light showing:	А	Green, yellow, and white beacon light.	yellow	white
PTL	325	NAVEGACIÓN	Which of the following is not a mandatory instruction sign:	С	runway designation sign.	road holding position sign.	direction sign.

PTL		NAVEGACIÓN	Where a runway has a displaced threshold and the whole of the runway is used for takeoff, which of the following runway lights can be used to indicate the center of the runway from the beginning of a runway to the displaced threshold?		characteristics and intensity settings afford the guidance required during takeoff and it does not dazzle the pilot of an aircraft taking off.	Red center line lights.	Green/yellow alternating runway edge lights.
PTL	327	NAVEGACIÓN	The horizontal deviation on the expanded ILS display represented by one dot is aproximately:	В	1°	2°	0.5°
PTL	328	NAVEGACIÓN	The heading inputs to the EHSI are from:	С	The IRS	The FMC	the IRS through the symbol generator
PTL	329	NAVEGACIÓN	A cockpit voice recorder must be operated	А	upon termination of flight.	from the start of the before starting engine checklist to completion of checklist prior to engine shutdown.	when starting to taxi for takeoff to the engine shutdown checklist after termination of the flight.
PTL	330	NAVEGACIÓN	A function of the minimum equipment list is to indicate instruments or equipment which	1	are required to be operative for overwater passenger air carrier flights.	may be inoperative for a one- time ferry flight of a large airplane to a maintenance base.	may be inoperative prior to beginning a flight in an aircraft.
PTL	331	NAVEGACIÓN	A GPS missed approach requires that the pilot take action to sequence the receiver	В	over the MAWP	after the MAWP.	just prior to the MAWP.
PTL	332	NAVEGACIÓN	A Land and Hold Short Operations (LAHSO) clearance, that the pilot accepts:	В	must be adhered to.	does not preclude a rejected landing.	precludes a rejected landing.
PTL	333	NAVEGACIÓN	A pilot approaching to land a turbine- powered aircraft on a runway served by a VASI shall	С	VASI approach is received.	use the VASI only when weather conditions are below basic VFR.	maintain an altitude at or above the glide slope until a lower altitude is necessary for a safe landing.
PTL	334	NAVEGACIÓN	A pilot of a high-performance airplane should be aware that flying a steeper- than-normal VASI glide slope angle may result in	В	a hard landing.	increased landing rollout.	landing short of the runway threshold.

PTL 335 NAVEGACIÓN Airport information signs, used to provide destination or information, have  PTL 336 NAVEGACIÓN An air carrier airplane's airborne radar must be in satisfactory operating condition prior to dispatch, if the flight with scattered thunderstorms reported en route.  A conducted under VFR conditions at night with scattered thunderstorms reported en route.  A VOR.  VOR and ILS.  VOR and DME.  VOR and DME.  PTL 338 NAVEGACIÓN An air carrier operates a flight in VFR operation avaigation equipment is required to be a dual installation?  PTL 339 NAVEGACIÓN An air carrier that elects to use an Inertial Navigacional System (INS) must meet which equipment requirement prior to takeoff on a proposed flight?  PTL 340 NAVEGACIÓN Authorization to conduct any GPS operation under IFR requires that  PTL 340 NAVEGACIÓN Authorization to conduct any GPS operation under IFR requires that  PTL 341 NAVEGACIÓN Authorization to conduct any GPS operation under IFR requires that  PTL 342 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 842 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 844 NAVEGACIÓN Below FL 180, en route weather advisories should be obtained from an FSS on PTL 844 NAVEGACIÓN	DTI	laar	NAVEGA GIÓN	Tar in a contract of	_	I n	I 10. 1 1 1 1	<u> </u>
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advisories should be obtained from an							terminal areas.	cockpits
	PTL	342	NAVEGACIÓN	Below FL 180, en route weather	В	122.1 MHz.	122.0 MHz.	123.6 MHz.
FSS on				advisories should be obtained from an				
				FSS on				

PTL	343	NAVEGACIÓN	During a VOT check of the VOR	В	be used if 4° is entered on a correction card	be used during IFR flights, since	not be used during IFR flights, since the TO/FROM
			equipment, the course deviation		and substracted from all VOR courses.	the error is within limits.	should read TO.
			indicator centers on 356° with the				
			TO/FROM reading FROM. This VOR				
			equipment may				
PTL	344	NAVEGACIÓN	During an en route descent in a fixed-	В	Increase in indicated airspeed.	Decrease in indicated airspeed.	Indicated airspeed remains at the value prior to icing.
			thrust and fixed-pitch attitude				
			configuration, both the ram air input				
			and drain hole of the pitot system				
			become completely blocked by ice.				
			What airspeed indication can be				
			expected?				
PTL	345	NAVEGACIÓN	Each pilot who deviates from an ATC	С	maintain the course and altitude resulting	request ATC clearance for the	notify ATC of the deviation as soon as practicable.
			clearance in response to a TCAS II,		from the deviation, as ATC has radar	deviation.	
			resolution advisory (RA) is expected to		contact.		
PTL	346	NAVEGACIÓN	Each pilot, who deviates from an ATC	С	maintain the course and altitude resulting	request a new ATC clearance.	expeditiously return to the ATC clearance in effect prior
			clearance in response to a TCAS		from the deviation, as ATC has radar		to the advisory, after the conflict is resolved.
			advisory, is expected to notify ATC and		contact.		
PTL	347	NAVEGACIÓN	En route at FL270, the altimeter is set	С	585 feet.	1,300 feet.	Sea level.
			correctly. On descent, a pilot fails to				
			set the local altimeter setting of 30.57.				
			If the field elevation is 650 feet, and				
			the altimeter is functioning properly,				
			what will it indicate upon landing?				
PTL	348	NAVEGACIÓN	For the purpose of testing the flight	В	a minimum of 1 hour of the oldest	a total of 1 hour of the oldest	a total of no more than 1 hour of recorded data may be
			recorder system,		recorded data must be erased to get a valid	recorded data accumulated at	erased.
					test.	the time of testing may be	
						erased.	

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PTL	349	NAVEGACIÓN	g.	В	white in color and the dashed lines are	yellow in color and the dashed	yellow in color and the solid lines are nearest the
			of taxiways and runways consist of		nearest the runway.	lines are nearest the runway.	runway.
			four lines (two solid and two dashed)				
			that extend across the width of the				
			taxiway. These lines are				
PTL	350	NAVEGACIÓN	Holding position signs have	А	white inscriptions on a red background.	red inscriptions on a white background.	yellow inscriptions on a red background.
PTL	351	NAVEGACIÓN	How can a pilot identify a lighted	Α	Green, yellow, and white beacon light.	White and red beacon light	Green and white beacon light with dual flash of the
			heliport at night?			with dual flash of the white.	white.
PTL	352	NAVEGACIÓN	How can a pilot identify a military	С	Green, yellow, and white beacon light.	White and red beacon light	Green and white beacon light with dual flash of the
			airport at night?			with dual flash of the white.	white.
PTL	353	NAVEGACIÓN	How does the LDA differ from an ILS	В	LDA. 6° or 12° wide, ILS - 3° to 6°.	LDA. offset from runway plus	LDA. 15° usable off course indications, ILS - 35°.
			LOC?			3°, ILS - aligned with runway.	
PTL	354	NAVEGACIÓN	How does the SDF differ from an ILS	Α	SDF - 6° or 12° wide, ILS - 3° to 6°.	SDF - offset from runway plus	SDF - 15° usable off course indications, ILS - 35°.
			LOC?			3°, ILS - aligned with runway.	
PTL	355	NAVEGACIÓN	How long is cockpit voice recorder and	Α	60 days.	90 days.	30 días.
			flight recorder data kept, in the event				
			of an accident or occurrence resulting				
			in terminating the flight?				
PTL	356	NAVEGACIÓN	How will the airspeed indicator react if	Α	Indication will drop to zero.	Indication will rise to the top of	1
			the ram air input to the pitot head is			the scale.	climb.
			blocked by ice, but the drain hole and				
			static port are not?				
	1						
PTL	357	NAVEGACIÓN	Identify REIL.	С	Amber lights for the first 2,000 feet of	Green lights at the threshold	Synchronized flashing lights laterally at each side of the
					runway.	and red lights at far end of	runway threshold.
						runway.	

PTL	358	NAVEGACIÓN	Identify runway remaining lighting on centerline lighting systems.	В	Amber lights from 3,000 feet to 1,000 feet, then alternate red and white lights to the end.	Alternate red and white lights from 3,000 feet to 1,000 feet, then red lights to the end.	Alternate red and white lights from 3,000 feet to the end of the runway.
PTL	359	NAVEGACIÓN	Identify taxi leadoff lights associated with the centerline lighting system.	С	Alternate green and yellow lights curving from the centerline of the runway to the centerline of the taxiway.	Alternate green and yellow lights curving from the centerline of the runway to the edge of the exit.	Alternate green and yellow lights curving from the centerline of the runway to a point on the exit
PTL	360	NAVEGACIÓN	Identify the runway distance remaining markers.	А	Signs with increments of 1,000 feet distance remaining.	Red markers laterally placed across the runway at 3,000 feet from the end.	Yellow marker laterally placed across the runway with signs on the side denoting distance to end.
PTL	361	NAVEGACIÓN	Identify touchdown zone lighting (TDZL).	А	Two rows of transverse light bars disposed symmetrically about the runway centerline.	Flush centerline lights spaced at 50-foot intervals extending through the touchdown zone.	Alternate white and green centerline lights extending from 75 feet from the threshold through the touchdown zone.
PTL	362	NAVEGACIÓN	If a required instrument on a multiengine airplane becomes inoperative, which documents dictates whether the flight may continue en route?	С	A master Minimun Equipment List for the airplane.	Original dispatch release.	Certificate holder's manual
PTL	363	NAVEGACIÓN	If a visual descent point (VDP) is published on a GPS approach, it	В	will be coded in the waypoint sequence and identified using ATD.	will not be included in the sequence of waypoints.	must be included in the normal waypoints.
PTL	364	NAVEGACIÓN	If an air carrier airplane is flying IFR using a single ADF navigation receiver and the ADF equipment fails, the flight must be able to	А	proceed safely to a suitable airport using VOR aids and complete an instrument approach by use of the remaining airplane radio system.	continue to the destination airport by means of dead reckoning navigation.	proceed to a suitable airport using VOR aids, complete an instrument approach and land.
PTL	365	NAVEGACIÓN	If an air carrier airplane's airborne radar is inoperative and thunderstorms are forecast along the proposed route of flight, an airplane may be dispatched only	С	when able to climb and descend VFR and maintain VFR/OT en route.	in VFR conditions.	in day VFR conditions.

PTL		NAVEGACIÓN	If an airborne checkpoint is used to check the VOR system for IFR operations, the maximum bearing error permissible is	А	plus or minus 6°.	plus 6° or minus 4°.	plus or minus 4°.
PTL	367	NAVEGACIÓN	If both the ram air input and drain hole of the pitot system are blocked by ice, what airspeed indication can be expected?	A	No variation of indicated airspeed in level flight if large power changes are made.	Decrease of indicated airspeed during a climb.	Constant indicated airspeed during a descent.
PTL	368	NAVEGACIÓN	If installed, what aural and visual indications should be observed over the ILS back course marker?	А	A series of two dot combinations, and a white marker beacon light.	Continuous dashes at the rate of one per second, and a white marker beacon light.	A series of two dash combinations, and a white marker beacon light.
PTL	369	NAVEGACIÓN	If receiver autonomous Integrity Monitoring (RAIM) is not available when setting up for GPS approach, the pilot should	С	continue to the MAP and hold until the satellites are recaptured.	proceed as cleared to the IAF and hold until satellite reception is satistactory.	select another type of approach using another type of navigation aid.
PTL	370	NAVEGACIÓN	If the ambient temperature is colder than standard at FL310, what is the relationship between true altitude and pressure altitude?	В	They are both the same, 31,000 feet.	True altitude is lower than 31,000 feet.	Pressure altitude is lower than true altitude.
PTL	371	NAVEGACIÓN	If the ambient temperature is warmer than standard at FL350, what is the density altitude compared to pressure altitude?	В	Lower than pressure altitude.	Higher than pressure altitude.	Impossible to determine without information on possible inversion layers at lower altitudes.
PTL	372	NAVEGACIÓN	If the middle marker for a Category I ILS approach is inoperative,	С	the RVR required to begin the approach is increased by 20 %	the DA/DH is increase by 50 feet.	the inoperative middle marker has not effect on straight- in minimums.

PTL	373	NAVEGACIÓN	In addition to the localizer, glide slope, marker beacons, approach lighting, and HIRL, which ground components are required to be operative for a Category II instrument approach to a DH below 150 feet AGL?	С	RCLS and REIL.	Radar and RVR.	TDZL, RCLS, and RVR.
PTL	374	NAVEGACIÓN	In conducting Land and Hold Short Operations (LAHSO), the pilot should have readily available:	А	the published Available Landing Distance (ALD), landing performance of the aircraft, and slope of all LAHSO combinations at the destination airport.	the published runway length and slope for all LAHSO combinations at the airport of intended landing.	the landing performance of the aircraft, published Available Landing Distance (ALD) for all LASHO combinations at the airport of intended landing, plus the forecast winds.
PTL	375	NAVEGACIÓN	Information obtained from flight data and cockpit voice recorders shall be used only for determining	С	who was responsible for any accident or incident.	evidence for use in civil penalty or certificate action.	possible causes of accidents or incidents.
PTL	376	NAVEGACIÓN	Information recorded during normal operations of a cockpit voice recorder in a large pressurized airplane with four reciprocating engines	А	may all be erased or otherwise obliterated except for the last 30 minutes.	may be erased or otherwise obliterated except for the last 30 minutes prior to landing.	may all be erased, as the voice recorder is not required on an aircraft with reciprocating engines.
PTL	377	NAVEGACIÓN	Land and Hold Short Operations (LAHSO) include landing and holding short:	В	of an intersecting taxiway only.	of some designated point on the runway.	only of an intersecting runway or taxiway.
PTL	378	NAVEGACIÓN	Missed approach routing in which the first tracck is via a course rather than direct to the next waypoint requires	С	tha the GPS receiver be sequenced to the missed approach portion of the procedure	manual intervention by the pilot, but will not be required, if RAIM is aqvailable	additional action by the operator to setthe course
PTL	379	NAVEGACIÓN	Overriding an automatically selected sensitivity during a GPS approachwill	А	cancel the approach mode annunciation	require flying point-to-point on the approach to comply with the published procedure.	have not affect if the aproach is flown manually.
PTL	380	NAVEGACIÓN	Routes that require a flight navigator are listed in the	С	Airplane Flight Manual	International Flight Information Manual.	Air carrier's Operations Specifications.

PTL	381	NAVEGACIÓN	Taxi lead-off lights associated with the centerline lighting system	С	Alternate green and yellow lights curving from the centerline of the runway to the centerline of the taxiway.	Alternate green and yellow lights curving from the centerline of the runway to thebeginning of the taxiway.	Alternate green and yellow lights curving from the centerline of the runway to a edge of the taxiway.
PTL	382	NAVEGACIÓN	TCAS I provides	В	traffic and resolution advisories.	proximity warning.	recommended maneuvers to avoid conflicting traffic.
PTL	383	NAVEGACIÓN	TCAS II provides	Α	traffic and resolution advisories.	proximity warning.	maneuvers in all directions to avoid the conflicting traffic.
PTL	384	NAVEGACIÓN	The airport markings, signage and lighting associated with Land and Hold Short (LAHSO) consists of:	В	yellow hold-short markings, red and white signage, and in-pavement lights.	red and white signage, yellow hold-short markings, and at some airports, in-pavement lights.	red and black signage, in-pavement lights, and yellow hold-short markings.
PTL	385	NAVEGACIÓN	The higher glide slope of the three-bar VASI is intended for use by	С	high performance aircraft.	helicopters.	high cockpit aircraft.
PTL	386	NAVEGACIÓN	The moving map below reflects a loss of	Α	position information.	the AHRS.	the ADC
PTL	387	NAVEGACIÓN	The sign shown is an example of	А	a mandatory instruction sign	runway headingnotification signage	an airport directional sign
PTL	388	NAVEGACIÓN	The lowest ILS Category II minimums are	В	DH 50 feet and RVR 1,200 feet.	DH 100 feet and RVR 1,200 feet.	DH 150 feet and RVR 1,500 feet.
PTL	389	NAVEGACIÓN	What action is necessary when a partial loss of ILS receiver capability occurs while operating in controlled airspace under IFR?	С	Continue as cleared and file a written report to the DGTA if requested.	If the aircraft is equipped with other radios suitable for executing an instrument approach, no further action is necessary.	Report the malfunction immediately to ATC.
PTL	390	NAVEGACIÓN	What action should be taken by the pilot in command of a transport category airplane if the airborne weather radar becomes inoperative en route on an IFR flight for which weather reports indicate possible thunderstorms?	В	Request radar vectors from ATC to the nearest suitable airport and land.	Proceed in accordance with the approved instructions and procedures specified in the operations manual for such an event.	Return to the departure airport if the thunderstorms have not been encountered, and there is enough fuel remaining.

PTL	391	NAVEGACIÓN	What action should be taken if one of the two VHF radios fail while IFR in controlled airspace?	A	Notify ATC immediately.	Squawk 7600.	Monitor the VOR receiver.
PTL	392	NAVEGACIÓN	What are the indications of Precision Approach Path Indicator (PAPI)?	А	"High - white, on glide path - red and white; low - red."	"High - white, on glide path - green; low - red."	"High - white and green, on glide path - green; low - red."
PTL	393	NAVEGACIÓN	What are the indications of the pulsating VASI?	В	High - pulsing white, on glide path - green, low - pulsing red.	High - pulsing white, on glide path - steady white, slightly below glide slope steady red, low - pulsing red.	"High - pulsing white, on course and on glide path - steady white, off course but on glide path - pulsing white and red; low - pulsing red."
PTL	394	NAVEGACIÓN	What aural and visual indications should be observed over an ILS inner marker?	А	Continuous dots at the rate of six per second.	Continuous dashes at the rate of two per second.	Alternate dots and dashes at the rate of two per second.
PTL	395	NAVEGACIÓN	What aural and visual indications should be observed over an ILS middle marker?	С	Continuous dots at the rate of six per second.	Continuous dashes at the rate of two per second.	Alternate dots and dashes at the rate of two per second.
PTL	396	NAVEGACIÓN	What aural and visual indications should be observed over an ILS outer marker?	В	Continuous dots at the rate of six per second.	Continuous dashes at the rate of two per second.	Alternate dots and dashes at the rate of two per second.
PTL	397	NAVEGACIÓN	What can a pilot expect if the pitot system ram air input and drain hole are blocked by ice?	А	The airspeed indicator may act as an altimeter.	The airspeed indicator will show a decrease with an increase in altitude.	No airspeed indicator change will occur during climbs or descents.
PTL	398	NAVEGACIÓN	What DME indications should a pilot observe when directly over a VORTAC site at 12,000 feet?	В	0 DME miles.	2 DME miles.	2.3 DME miles.
PTL	399	NAVEGACIÓN	What does the Precision Approach Path Indicator (PAPI) consist of?	В	"Row of four lights parallel to the runway; red, white, and green."	"Row of four lights perpendicular to the runway; red and white."	"One light projector with two colors; red and white."
PTL	400	NAVEGACIÓN	What does the pulsating VASI consist of?	С	Three-light system, two pulsing and one steady.	Two-light projectors, one pulsing and one steady.	One-light projector, pulsing white when above glide slope or red when more than slightly below glide slope, steady white when on glide slope, steady red for slightly below glide path.

PTL	401	NAVEGACIÓN	What does the tri-color VASI consist of?	В	"Three light bars; red, green, and amber."	"One light projector with three colors; red, green, and amber."	"Three glide slopes, each a different color; red, green, and amber."
PTL	402	NAVEGACIÓN	What facilities may be substituted for an inoperative middle marker during a Category I ILS approach?	1	ASR and PAR.	The middle marker has no effect on straight-in minimums.	Compass locator, PAR, and ASR.
PTL	403	NAVEGACIÓN	What functions are provided by ILS?	С	Azimuth, distance, and vertical angle.	Azimuth, range, and vertical angle.	Guidance, range, and visual information.
PTL	404	NAVEGACIÓN	What is corrected altitude (approximate true altitude)?	В	Pressure altitude corrected for instrument error.	Indicated altitude corrected for temperature variation from standard.	Density altitude corrected for temperature variation from standard.
PTL	405	NAVEGACIÓN	What is the advantage of a three-bar VASI?	В	Pilots have a choice of glide angles.	A normal glide angle is afforded both high and low cockpit aircraft.	The three-bar VASI is much more visible and can be used at a greater height.
PTL	406	NAVEGACIÓN	What is the advantage of HIRL or MIRL on an IFR runway as compared to a VFR runway?	1	Lights are closer together and easily distniguished from surrounding lights.	Amber lights replace white on the last 2,000 feet of runway for a caution zone.	Alternate red and white lights replace the white on the last 3,000 feet of runway for a caution zone.
PTL	407	NAVEGACIÓN	What is the lowest Category IIIA minimum?	С	DH 50 feet and RVR 1,200 feet.	RVR 1,000 feet.	RVR 700 feet.
PTL	408	NAVEGACIÓN	What would be the identification when a VORTAC is undergoing routine maintenance and is considered unreliable?	С	"A test signal, ""TESTING"", is sent every 30 seconds"	"Identifier is preceded by ""M"" and an intermittent ""OFF"" flag would appear."	The identifier would be removed.
PTL	409	NAVEGACIÓN	What is the maximum permissible variation between the two bearing indicators on a dual VOR system when checking one VOR against the other?	А	4° on the ground and in flight.	6° on the ground and in flight.	6° and in flight and 4° on the ground.
PTL	410	NAVEGACIÓN	What is the normal range of the tri- color VASI at night?	А	5 miles.	10 miles.	15 miles.
PTL	411	NAVEGACIÓN	What is the purpose of REIL?	A	Identification of a runway surrounded by a preponderance of other lighting.	Identification of the touchdown zone to prevent landing short.	Establish visual descent guidance information during an approach.

PTL	412	NAVEGACIÓN	What record shall be made by the pilot performing a VOR operational check?	В	number of hours flown since last check,		The date, approval or disapproval, tach reading, and signature in the aircraft log or other permanent record.
PTL	413	NAVEGACIÓN	What type navigation system is Inertial Navigation System (INS)? A navigation computer which provides position		· · · · · · · · · · · · · · · · · · ·	from radar-type sensors that measure ground speed and drift angles.	by signals from self-contained gyros and accelerometers
PTL	414	NAVEGACIÓN	What type service should normally be expected from an En Route Flight Advisory Service?	А	Weather advisories pertinent to the type of flight, intended route of flight, and altitude.		Radar vectors for traffic separation, route weather advisories, and altimeter settings.
PTL	415	NAVEGACIÓN	What would be the identification when a VORTAC is undergoing routine maintenance and is considered unreliable?	С	"A test signal, ""TESTING"", is sent every 30 seconds."	"Identifier is preceded by ""M"" and an intermittent ""OFF"" flag would appear."	The identifier would be removed.
PTL	416	NAVEGACIÓN	When an air carrier flight is operated under IFR or over-the-top which navigation equipment is required to be installed in duplicate?		VOR.	ADF.	VOR and DME.
PTL	417	NAVEGACIÓN	When are severe weather watch bulletins (WW) issued?	С	Every 12 hours as required	Every 24 hours as required.	Unscheduled and issued as required
PTL	418	NAVEGACIÓN	"When instructed by ATC to ""Hold short of a runway (ILS critical area, etc.),"" the pilot should stop"	В	with the nose gear on the hold line.	so that no part of the aircraft extends beyond the hold line.	so the flight deck area of the aircraft is even with the hold line.
PTL	419	NAVEGACIÓN	When is DME or suitable RNAV required for an instrument flight?	А	At or above 24,000 feet MSL if VOR navigational equipment is required.	above 12,500 feet MSL	in terminal radar service areas
PTL	420	NAVEGACIÓN	When is DME required for an instrument flight?	А	At or above 24,000 feet MSL if VOR navigational equipment is required.	In terminal radar service areas.	Above 12,500 feet MSL.
PTL	421	NAVEGACIÓN	When is the course deviation indicator (CDI) considered to have a full-scale deflection?	l	to full-scale right, or vice versa.	When the CDI deflects from the center of the scale to full-scale left or right.	When the CDI deflects from half-scale left to half-scale right, or vice versa.

PTL		NAVEGACIÓN NAVEGACIÓN	When may a pilot descend below 100 feet above the touchdown zone elevation during a Category II ILS instrument approach when only the approach lights are visible?  When must an air carrier airplane be	I .	l. '		When the red terminal bar of the approach light systems are in sight.  For flights at or above FL 180.
PIL	423	INAVEGACION	DME equipped?	Б	operations.	receivers are required.	FOR HIGHES AT OF ABOVE FL 180.
PTL	424	NAVEGACIÓN	When setting the altimeter, pilots should disregard	А	effects of nonstandard atmospheric temperatures and pressures.	corrections for static pressure systems.	corrections for instrument error.
PTL	425	NAVEGACIÓN	When taxiing on an airport with ASDE-X (airport surface detection equipment -X), you should	1	, ,	operate the transponder with altitude reporting all of the time during taxing.	be ready to activate the transponder upon ATC request while taxing.
PTL	426	NAVEGACIÓN	When using GPS for navigation and instrument approaches, a required alternate airport must have	I .	an approach instrument approach procedure, besides GPS, that is expected to be operational and available at the ETA.	a GPS approach that is expected to be operational and available at the ETA.	authorization to fly approaches under IFR using GPS avionics.
PTL	427	NAVEGACIÓN	When you see this pavement marking from the cockpit, you	С		"must hold short until "" cleared "" to taxi on to or past the runway."	"may not cross the line until ATC allows you to "" enter "" or "" cross "" by instruction."
PTL	428	NAVEGACIÓN	Where does the DME indicator have the greatest error between the ground distance and displayed distance to the VORTAC?	А	High altitudes close to the VORTAC.	Low altitudes close to the VORTAC.	Low altitudes far from the VORTAC.
PTL	429	NAVEGACIÓN	Where is a list maintained for routes that require special navigation equipment?	А	Air Carrier's Operations Specifications.	International Flight Information Manual.	Airplane Flight Manual
PTL	430	NAVEGACIÓN	Which rule applies to the use of the cockpit voice recorder erasure feature?	В		·	All recorded information may be erased, unless the DGAC needs to be notified of an occurrence.

PTL	431	NAVEGACIÓN	"Which ""rule-of-thumb"" may be used to approximate the rate of descent required for a 3° glide path?"	А	5 times groundspeed in knots.	8 times groundspeed in knots.	10 times groundspeed in knots.
PTL	432	NAVEGACIÓN	Which airplanes are required to be equipped with a ground proximity warning glide slope deviation alerting system?	А	All turbine powered airplanes.	Passenger-carrying turbine- powered airplanes only.	Large turbine-powered airplanes only.
PTL	433	NAVEGACIÓN	Which checks and inspections of flight instruments or instrument systems must be accomplished before an aircraft can be flown under IFR?	А	VOR within 30 days and altimeter systems and transponder within 24 calendar months.	ELT test within 30 days, altimeter systems within 12 calendar months, and transponder within 24 calendar months.	Airspeed indicator within 24 calendar months, altimeter system within 24 calendar months, and transponder within 12 calendar months.
PTL	434	NAVEGACIÓN	Which class of NOTAM gives the latest information on LORAN-C chain or station outages?	В	"NOTAM (L)'s under the identifier ""LORAN-C."""	"NOTAM (D)'s under the identifier ""LRN."""	Class II NOTAM's published every 14 days.
PTL	435	NAVEGACIÓN	"Which color on a tri-color VASI is a "high" indication?"	В	Red.	Amber.	Green.
PTL	436	NAVEGACIÓN	"Which color on a tri-color VASI is a ""low"" indication?"	А	Red.	Amber.	Green.
PTL	437	NAVEGACIÓN	"Which color on a tri-color VASI is an "on course"" indication?"	С	Red.	Amber.	Green.
PTL	438	NAVEGACIÓN	Which component associated with the ILS is identified by the first two letters of the localizer identification group?	С	Inner marker.	Middle compass locator.	Outer compass locator.
PTL	439	NAVEGACIÓN	Which component associated with the ILS is identified by the last two letters of the localizer group?	В	Inner marker.	Middle compass locator.	Outer compass locator.
PTL	440	NAVEGACIÓN	Which entry shall be recorded by the person performing a VOR operational check?	С	Frequency, radial and facility used, and bearing error.	Flight hours and number of days since last check, and bearing error.	Date, place, bearing error, and signature.

PTL	441	NAVEGACIÓN	Which equipment requirement must be met by an air carrier that elects to use a dual Inertial Navigation System (INS) on a proposed flight?	С	The dual system must consist of two operative INS units.	1 ' '	Only one INS is required to be operative, if a Doppler Radar is substituted for the other INS.
PTL	442	NAVEGACIÓN	Which facility may be substituted for the middle marker during a Category I ILS approach?	С	VOR/DME FIX.	Surveillance radar.	Compass locator.
PTL	443	NAVEGACIÓN	Which ground components are required to be operative for a Category II approach in addition to LOC, glide slope, marker beacons, and approach lights?	С	Radar and RVR.	RCLS and REIL.	HIRL, TDZL, RCLS, and RVR.
PTL	444	NAVEGACIÓN	Which indication may be received when a VOR is undergoing maintenance and is considered unreliable?	А	Coded identification T-E-S-T.	"Identifier is preceded by ""M"" and an intermittent ""OFF"" flag might appear."	An automatic voice recording stating the VOR is out-of-service for maintenance.
PTL	445	NAVEGACIÓN	Which pressure is defined as station pressure?	В	Altimeter setting.	Actual pressure at field elevation.	Station barometric pressure reduced to sea level.
PTL	446	NAVEGACIÓN	Which equipment requirement must be met by an air carrier that elects to use a dual Inertial Navigation System C	С	The dual system must consist of two operative INS units.	Only one INS is required to be operative, if a Doppler Radar is substituted for the other INS.	A dual VORTAC/ILS system may be substituted for an inoperative INS.
PTL	447	NAVEGACIÓN	"Which "" rule-of-thumb"" may be used to approximate the rate of descent required for a 3° glidepath?"	А	5 times groundspeed in knots.	8 times groundspeed in knots.	10 times groundspeed in knots.
PTL	448	NAVEGACIÓN	(INS) on a proposed flight?	В	All recorded information may be erased, except for the last 30 minutes prior to landing.	Any information more than 30 minutes old may be erased.	All recorded information may be erased, unless the DGAC needs to be notified of an occurrence.

PTL		NAVEGACIÓN	While flying IFR in controlled airspace, if one of the two VOR receivers fails, which course of action should the pilot in-command follow?		No call is required if one of the two VOR receivers is operating properly.	Advise ATC immediately.	Notify the dispatcher via company frequency.
PTL	450	NAVEGACIÓN	While flying in controlled airspace under IFR, the ADF fails. What action is required?	1	Descend below Class A airspace.	Advise dispatch via company frequency.	Notify ATC immediately.
PTL	451	NAVEGACIÓN	While on an IFR flight in controlled airspace, the failure of which unit will precipitate an immediate report to ATC?	С	One engine, on a multiengine aircraft.	Airborne radar.	DME.
PTL	452	NAVEGACIÓN	Who must the crew of a domestic or flag air carrier airplane be able to communicate with, under normal conditions, along the entire route (in either direction) of flight?	С	ARINC.	Any FSS.	Appropriate dispatch office.
PTL	453	NAVEGACIÓN	With no traffic identified by TCAS, you	ı	can rest assured that no other aircraft are in the area.	must continually scan for other traffic in visual conditions.	must scan only for hot air balloons.
PTL	454	NAVEGACIÓN	Within what frequency range does the localizer transmitter of the ILS operate?	В	108.10 to 118.10 MHz.	108.10 to 111.95 MHz.	108.10 to 117.95 MHz.
PTL	455	NAVEGACIÓN	You arrived at the initial fix for the LPV approach into XYZ. The preflight briefer issued you an unrealiable advisory on the approach before you took off. Your avionics indicates good signals and full GPS service is available.	А	know you can fly the approach down to LPVminimums.	cannot use that approach because of the advisory from FSS.	must revert to another approach system such as VOR

PTL	456	NAVEGACIÓN	You have just landed at JFK and the tower tells you to call ground control when clear of the runway. You are considered clear of the runway when	С		the flight deck area of the aircraft is even with the hold line.	all parts of the aircraft have crossed the hold line.
PTL	457	NAVEGACIÓN	NAVSTAR/GPS operates in the band the receiver determines position by:	A	UHF, range position lines	UHF, secondary radar principles	SHF, secondary radar principles
PTL	458	NAVEGACIÓN	The minimun number of satellites required for a 3D fix is:	В	3	4	5
PTL	459	NAVEGACIÓN	The most significant error of GNSS is:	С	GDOP	Receiver clock	Ionospheric propagation
PTL	460	NAVEGACIÓN	When using GNSS to carry out a non- precision approach the MDA will be determined using:	А	barometric altitude	GPS altitude	Radio altimeter height
PTL	461	NAVEGACIÓN	Which of the following statements concerning NAVSTAR/GPS time is correct?	С		the satellite runs its own time based on seconds and weeks which is independent of UTC	the satellite runs its own time based on seconds and weeks which is correlated with UTC
PTL	462	NAVEGACIÓN	Find the heading of the various legs of the traffic patterns for runway 31	В	Left entry: 020°- Left base 040°- Downwind 020°- Right entry 040°- Right Base 030°	Left entry: 085°- Left base 040°- Downwind 130°- Right entry 175°- Right Base 220°	Left entry: 040°- Left base 210°- Downwind 130°- Right entry 175°- Right Base 220°
PTL	463	NAVEGACIÓN	Find the time: Groud speed 145- Distance 128NM	А	53 min.	59 min.	40 min
PTL	464	NAVEGACIÓN	Whit this data find the wind direction and speed: Track 169°-Ground Speed 132 knots-True heading 173°-True airspeed 160 knots.	С		WCA 12L- Wind Direction 220°- Wind Speed 28 knots	WCA 4° R- Wind Direction 191°-Wind Speed 30 knots
PTL	465	NAVEGACIÓN	find ground speed and true course (track): Wind direction 185°-Wind speed 40 knots- True heeading 115°-True airspeed 170 knots.	А	•	Ground speed 173 knots-WCA 8L-True course 248°	Ground speed 116 knots-WCA 8R-True course 344°

PTL	466	NAVEGACIÓN	Given: Fuel gallons: 20. Find: pounds	А	120 Pounds	130 Pounds	150 Pounds
PTL	467	NAVEGACIÓN	Given: 288 Status Miles. Find: Nautical Miles	В	160 NM	250 NM	150 NM
PTL	468	NAVEGACIÓN	Given Oil, Gallons: 4. Find: Pounds	С	20 Pounds	60 Pounds	30 Pounds
PTL	469	NAVEGACIÓN	Pressure Altitude: 0 ft- Ture Air Temperature: 40°C. Find density altitude	С	4.000 ft	2.000 ft	3.000 ft
PTL	470	NAVEGACIÓN	Pressure altitude: 12,000- OAT -10°C-CAS 190 MPH. Find True Airspeed	А	228 knots	170 knots	235 MPH
PTL	471	NAVEGACIÓN	A radio wave is:	С	An energy wave comprising an electrical field in the same plane as magnetic field.	An electrical field alternating with a magnetic field	An energy wave where there is an electrical field perpendicular to magnetic field
PTL	472	NAVEGACIÓN	The frequency band containing the frequency corresponding to 29.1 cm is:	А	UHF	VHF	SHF
PTL	473	NAVEGACIÓN	An aircraft wishes to track towards a VOR along the 274 radial. If variation is 10° W what should be set on the OBS?	С	274°	264°	094°
PTL	474	NAVEGACIÓN	The VOR indication on a RMI whose deviation is not zero:	А	Are magnetic.	Are compass.	Are relative.
PTL	475	NAVEGACIÓN	The coverage of an ILS localiser extends toeither side of the on course line out to a range of nm	С	10°, 35nm	35°, 10nm	35°, 17nm
PTL	476	NAVEGACIÓN	The outer marker of an ILS installation has a visual identification of:	С	alternating dots and dashes on a blue light.	continuous dots at a rate of 2 per second, blue light	continuous dashes at a rate of 2 per second, blue light.
PTL	477	NAVEGACIÓN	The correct sequence of colours of a colour Airbone Weather Radar as returns get stronger is:	С	red yellow green	yellow green red	green yellow red.

PTL	478	NAVEGACIÓN	The antenna of an airborne weather radar is stabilised:	В	in pitch, roll, and yaw	in pitch and roll	In pitch and roll whether the stabilisation is on or off.
PTL	479	NAVEGACIÓN	The special SSR codes are as follows:  Emergency, radio failure, entering an airspace, unlawful interference with the conduct of the flight	А	"7700; 7600; 2000; 7500."	"7700; 7600; 7500; 2000."	"7600; 7500; 2000; 77000."
PTL	480	NAVEGACIÓN	If the SSR transponder IDENT button is pressed		an identification pulse is automatically and continuously transmitted for 20 seconds, 4.35 $\mu$ sec after the last framing pulse.	an identification pulse is automatically and continuously transmitted for 20 seconds, 4.35 $\mu$ sec before the last framing pulse.	an identification pulse is automatically and continuously transmitted for 10 seconds, 4.35 $\mu$ sec after the last framing pulse.
PTL	481	NAVEGACIÓN	A DME transponder does not respond to pulses received from radars other than DME because:	С	each aircraft transmits pulses at a random rate.	MDME transmits and receives on different frequencies.	it will only accept the unique twin DME pulses.
PTL	482	NAVEGACIÓN	The accuracy associated with DME is:	С	+ or - 3% of range, or 0.5nm, whichever is greater.	+ or -1.25% of range	+/-0.25 nm +/-1.25% of range
PTL	483	NAVEGACIÓN	For a VOR and a DME beacon to be said to be associated the aerial separation must not exceed in a terminal area and outside a terminal area.	С	100m 2000m	50feet 200feet	30m 600m
PTL	484	NAVEGACIÓN	"DME and VOR are ""frequency paired"" because:"	С	the same receiver can be used for both aids.	the VOR transmitter is easily converted to the required DME frequency.	cockpit workload is reduced
PTL	485	NAVEGACIÓN	Which provisions on a VFR flight in Class E airspace are correct?	В	"Service provided: Air Traffic Control Service; ATC Clearance: non required."	"Service provided: Traffic Information as far as practical; ATC Clearance: not required."	"Service provided: Air Ttraffic control Service; ATC Clearance: required."

PTL	486	NAVEGACIÓN	The vertical IFR separation minimum being applied by ATC within a controlled airspace above FL290 is:	В	1.000 feet (300 m)	2.000 feet (600 m)	500 feet (150 m)
PTL	487	NAVEGACIÓN	A minimum vertical separation shall be provided until aircraft are stablished inbound on the ILS localizer course and/or MLS final approach track. This minimum is, when independent parallel approaches are being conducted:	С	150 m (500 ft)	200 m (660 ft)	300 m (1.000 ft)
PTL	488	NAVEGACIÓN	"The wake turbulence category "heavy"" is applied to aircraft of (MTOM):"	В	126.000 lbs or more	136.000 fg or more	more than 136.000 lbs
PTL	489	NAVEGACIÓN	"When, in air space where VFR are permitted, the pilot in command of an IFR flight wishes to continue his flight in accordance with visual flight rules, until the destination is reached: 1. He must inform the control unit (""cancel IFR""). 2. He must request and obtain clearance. 3. He may request his IFR flight plan to be changed to a VFR flight plan. 4. The flight plan automatically becomes a VFR flight plan. The correct combination of statements is:"	A	1, 4	1, 3	2, 4

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PTL	490	NAVEGACIÓN	A MEDIUM (wake turbulence	Α	5 NM.	a NM providing 1.000 ft vertical	[6 NM.
			category) aircraft is following a HEAVY			separation also maintained.	
			category aircraft during a radar				
			approach. What is the minimum wake				
			turbulence radar separation to be				
			applied?				
PTL	491	NAVEGACIÓN	At least which services have to be	Α	Flight information service and alerting	Flight information service.	Flight information service and air traffic advisory service.
			provided by ATS within a flight		service.		
			information region?				
PTL	492	NAVEGACIÓN	Radar controlled aircraft on	С	25 knots at any stage.	10 knots and not within 5 NM	20 knots and not within 4 NM of threshold.
			intermediate or final approach may be			of threshold.	
			requested to make minor speed				
			adjustements by ATC. The				
			adjustements shall never be more				
			than:				
PTL	493	NAVEGACIÓN	One of the functions ensured by a	Α	to conduct surveillance radar approaches.	to apply a reduced vertical	to apply a horizontal separation less than 5 NM.
			radar control unit for the provision of			separation of 500 feet between	
			approach control service is:			IFR flights and VFR flights.	
PTL	494	NAVEGACIÓN	A s called VISUAL APPROACH can be	Α	when an instrument approach is not	an approach made under VFR	during IFR and VFR approaches in VMC.
			performed:		completed and visual reference to terrain is	using instrument height and	
					subsequently maintained.	track guidance.	
PTL	495	NAVEGACIÓN	A TMA is:	В	an area in which submission of a flight pan	a CTA established to cover	a CTR
					is not required.	several major air traffic routes	
						around one or more major	
						aerodromes.	

PTL	496	NAVEGACIÓN	At the commencement of final approach, if the controller possesses wind information in the form of components, significant changes in the mean surface wind direction and speed shall be transmitted to aircraft. The mean head-wind component significant change is:	С	8 kts	5 kts	10 kts
PTL	497	NAVEGACIÓN	An aircraft making a radar approach should be directed to consider executing a missed approach if the aircraft is not visible on the radar display for any significant interval during the:	А	last 2 NM of the approach.	last 4 NM of the approach.	last 3 NM of the approach.
PTL	498	NAVEGACIÓN	"What is the definition of ""aerodrome traffic""?"	В	Traffic on the manoeuvring area and in the circuit.	_	Traffic on the movement area and in the local vicinity of the aerodrome.
PTL	499	NAVEGACIÓN	Which letter is used in a flight plan to indicate that the flight commences in accordance with VFR and subsequently changes to IFR?	В		Z	V
PTL	500	NAVEGACIÓN	Normally all turns, which are requested by a radar controller have to be executed as:	С	prescribed by the aircraft operations.	deciden on pilot's discretion.	standard rate turns if not otherwise instructed by ATC.
PTL	501	NAVEGACIÓN	ATS airspaces where IFR and VFR flights are permited, all flights are subject to air traffic control service and are separated from each other are classified as:	С	class E	class A	class B

PTL		NAVEGACIÓN NAVEGACIÓN	"The definition of ""Manoeuvring Area"" is:"  The Air Traffic control Services do not prevent collisions with terrarin.	А	that part of an aerodrome to be used for takeoff, landing and taxiing of aircraft, including apron(s).  Correct, expect when an IFR flight is vectored by radar.	that part of an aerodrome to be used for takeoff, landing and taxiing of aircraft, excluding apron(s). Prevent collisions with terrain.	that part of an aerodrome to be used for takeoff, landing and taxiing of aircraft, including movement area and apron(s).  Do not prevent collisions with terrain.
PTL	504	NAVEGACIÓN	For visual approaches, the following shall apply: A) A visual approach may only be requested when the reported ceiling is at or above the initial approach altitude/level. B) When so requested by a pilot, ATC is obliged to clear the aircraft for a visual approach. C) When cleared for a visual approach, the pilot has to maintain own separation to other aerodrome traffic. D) Separation has to be provided by ATC between an aircraft for a visual approach and other arriving and departing aircraft.		B and C	Bonly	A and D
PTL	505	NAVEGACIÓN	The maximum speed for an aircraft flying in class F or G airspace below FL100 is:	А	250 kts IAS	250 kts TAS	280 kts IAS
PTL	506	NAVEGACIÓN	If you are flying a surveillance radar approach (SRA). What information is reported by radar controller?	В	Distance from touchdown and observed deviation from the glide path.	Distance fron touchdown and pre-computed levels through which the aircraft should be passing to maintain the glide path.	Range and bearing from touchdown.

PTL	507	NAVEGACIÓN	"If the crew on an arriving aircraft approaching a controlled aerodrome will report ""field in sight"", a clearance for ""visual approach"" may be given under certain conditions"	С	The approach must be passing the FAF.	Continued approach will be according to VFR.	The air traffic controller will provide separation to other controlled traffic.
PTL	508	NAVEGACIÓN	Minimum radar vectoring altitudes should be sufficiently high to minimise:	С	exposure to noise on the ground	radar slant range error.	activation of ground proximity warnings.
PTL	509	NAVEGACIÓN	Which of the following Annexes to the Chicago convention contains international standards and recommended practices for air traffic services (ATS)?	С	Annex 6	Annex 14	Annex 11
PTL	510	NAVEGACIÓN	Repetitive flight plans (RPLs) shall be used for flights operated regularly on the same day(s) of consecutive weeks and:	С	on at least 20 days consecutively.	on at least ten occasions or every day over a period of at least 20 consecutive days.	on at least ten occasions or every day over a period of at least ten consecutive days.
PTL	511	NAVEGACIÓN	What are the three Air Traffic Services?	С	Area Control, Tower Control, Approach Control.	Flight Information Service, Area Control, Approach Control.	Air Traffic Control Services, Flight Information Services, Alerting Services.
PTL	512	NAVEGACIÓN	Who is responsible to determine minimum flight altitudes for ATS routes?	С	The pilot.	The publishers of aeronautical handbooks.	Each State for ATS routes over their territory.
PTL	513	NAVEGACIÓN	The abreviation RNP means:	С	required navigation precision	requested navigation position	required navigation performance
PTL	514	NAVEGACIÓN	Required Navigation Performance (RNP) shall be prescribed	В	by regional air navigation agreements.	by states on the basis of regional air navigation agreements.	by ICAO on the basis of regional air navigation agreements.
PTL	515	NAVEGACIÓN	The accuracy required of a precision area navigation system is:	С	0.25 nm	2 nm	1 nm

PTL	516		A basic 2D RNAV system will determine tracking information from:	В	twin DME	VOR/DME	Twin VOR
PTL	517	NAVEGACIÓN	The IRS position can be updated:	А	on the ground only	at designated positions enroute and on the ground	on the ground and overhead VOR/DME
PTL	518	NAVEGACIÓN	The FMC position will be at its most inaccurate:	С	on take-off	at TOC	at TOD
PTL	519		Which positions can be input to the FMC using a maximum of 5 alphanumerics?	В	SIDS & STARS, reporting points and airways designators	Navigation facilities, reporting points and airways designators	SIDS & STARS and latitude and longitude
PTL	520	NAVEGACIÓN	The FMC navigational database can be acceses by the pilots:	В	to update the database	to read information only	to change information between the 28 day updates
PTL	521		Above latiyudes of 84° a twin FMS/triple IRS system will go to decoupled operations. The reason for this is:	А	to prevent error messages as the IRS longitudes show large differences	to ease the pilot's workload	to improve the system accuracy
PTL	522	NAVEGACIÓN	The period of validity of the navigational database is:	А	28 days	1 month	determined by the national authority and may be from 28 days to 91 days
PTL		PLANIFICACIÓN DE VUELO	A commercial operator plans to ferry a large, four-engine, reciprocating-engine-powered airplane from one facility to another to repair an inoperative engine. Which is an operational requirement for the three-engine flight?		The gross weight at takeoff may not exceed 75 percent of the maximum certificated gross weight.	Weather conditions at the takeoff and destination airports must be VFR.	The computed takeoff distance to reach V1 must not exceed 70 percent of the effective runway length.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	"A definition of the term ""viscous hydroplanning"" is where "	В	the airplane rides on standing water.	a film of moisture covers the painted or rubber-coated portion of the runway.	the tires of the airplane are actually riding on a mixture of steam and melted rubber.
PTL			An outside air pressure decreases, thrust output will	С	increase due to greater efficiency of jet aircraft in thin air.	remain the same since compression of inlet air will compensate for any decrease in air pressure.	decrease due to higher density altitude.

PTL	527	PLANIFICACIÓN DE VUELO PERFORMANCE Y	At what minimum speed (rounded off) could dynamic hydroplaning occur on main tires having a pressure of 121 psi?  At what minimum speed will dynamic hydroplaning begin if a tire has an air	В	90 knots. 85 knots.	96 knots. 80 knots.	110 knots.  75 knots.
	1		pressure of 70 psi?				
PTL			At what speed, with reference to L/Dmax, does maximum range for a jet airplane occur?	С	A speed less than that for L/Dmax.	A speed equal to that for L/Dmax.	A speed greater than that for L/Dmax.
PTL		PLANIFICACIÓN DE VUELO	At what speed, with reference to L/Dmax, does maximum rate-of-climb for a jet airplane occur?	А	A speed greater than that for L/Dmax.	A speed equal to that for L/Dmax.	A speed less than that for L/Dmax.
PTL		l .	Compared to dynamic hydroplaning, at what speed does viscous hydroplaning occur when landing on a smooth, wet runway?	1	At approximately 2.0 times the speed that dynamic hydroplaning occurs.	At a lower speed than dynamic hydroplaning.	At the same speed as dynamic hydroplaning.
PTL		PLANIFICACIÓN DE VUELO	Equivalent shaft horsepower (ESHP) of a turbo-prop engine is a measure of	В	turbine inlet temperature.	shaft horsepower and jet thrust.	propeller thrust only.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	"For which of these aircraft is the ""clearway"" for a particular runway considered in computing takeoff weight limitations? "	В	Those passenger-carrying transport aircraft certificated between August 26, 1957 and August 30, 1959.	transport airplanes certificated after September 30, 1958.	
PTL			How can turbulent air cause an increase in stalling speed of an airfoil?	А	An abrupt change in relative wind.	A decrease in angle of attack.	Sudden decrease in load factor.

PTL			How should reverse thrust propellers be used during landing for maximum effectiveness in stopping?	В	Gradually increase reverse power to maximum as rollout speed decreases.	Use maximum reverse power as soon as possible after touchdown.	Select reverse-pitch after landing and use idle power setting of the engines.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	How should thrust reversers be applied to reduce landing distance for turbojet aircraft?	A	Immediately after ground contact.	Immediately prior to touchdown.	After applying maximum wheel braking.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	If an engine failure occurs at an altitude above single-engine ceiling, what airspeed should be maintained?	В	VMC.	VYSE.	VXSE.
PTL	1	PERFORMANCE Y PLANIFICACIÓN DE VUELO	If severe turbulence is encountered, which procedure is recommended?	В	Maintain a constant altitude.	Maintain a constant attitude.	Maintain constant airspeed and altitude.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	Maximum range performance of a turbojet aircraft is obtained by which procedure as aircraft weight reduces?	В	Increasing speed or altitude.	Increasing altitude or decreasing speed.	Increasing speed or decreasing altitude.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	Minimum specific fuel consumption of the turbo-prop engine is normally available in which altitude range?	В	10,000 feet to 25,000 feet.	25,000 feet to the tropopause.	The tropopause to 45,000 feet.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	The most important restriction to the operation of turbojet or turboprop engines is	В	limiting compressor speed.	limiting exhaust gas temperature.	limiting torque.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	Under normal operating conditions, which combination of MAP and RPM produce the most severe wear, fatigue, and damage to high performance reciprocating engines?	А	High RPM and low MAP.	Low RPM and high MAP.	High RPM and high MAP.

PTL		Under what condition is Vmc the highest?	В	Gross weight is at the maximum allowable value.	CG is at the most rearward allowable position.	CG is at the most forward allowable position.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	Under which condition during the landing roll are the main wheel brakes at maximum effectiveness?	А	When wing lift has been reduced.	At high groundspeeds.	When the wheels are locked and skidding.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What action is appropriate when encountering the first ripple of reported clear air turbulence (CAT)?	С	Extend flaps to decrease wing loading.	Extend gear to provide more drag and increase stability.	Adjust airspeed to that recommended for rough air.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What characterizes a transient compressor stall?	С	Loud, steady roar accompanied by heavy shuddering.	Sudden loss of thrust accompanied by a loud whine.	"Intermittent ""bang"", as backfires and flow reversals take place."
PTL		What effect does an uphill runway slope have upon takeoff performance?	А	Increases takeoff distance.	Decreases takeoff speed.	Decreases takeoff distance.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What effect does high relative humidity have upon the maximum power output of modern aircraft engines?	В	Neither turbojet nor reciprocating engines are affected.	Reciprocating engines will experience a significant loss of BHP.	Turbojet engines will experience a significant loss of thrust.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What effect does landing at high elevation airports have on groundspeed with comparable conditions relative to temperature, wind, and airplane weight?	А	Higher than at low elevation.	Lower than at low elevation.	The same as at low elevation.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What effect will an increase in altitude have upon the available equivalent shaft horsepower (ESHP) of a turboprop engine?	А	Lower air density and engine mass flow will cause a decrease in power.	Higher propeller efficiency will cause an increase in usable power (ESHP) and thrust.	Power will remain the same but propeller efficiency will decrease.

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PTL			What effect would a change in	١	As air density decreases, thrust increases.	As temperature increases,	As temperature increases, thrust decreases.
	l		ambient temperature of air density			thrust increases.	
		DE VUELO	have on gas-turbine-engine				
			performance?				
PTL	551	PERFORMANCE Y	What effect, if any, does high ambient	Α	Thrust will be reduced due to the decrease	Thrust will remain the same,	Thrust will be higher because more heat energy is
		PLANIFICACIÓN	temperature have upon the thrust		in air density.	but turbine temperature will	extracted from the hotter air.
		DE VUELO	output of a turbine engine?			be higher.	
PTL	552	PERFORMANCE Y	What effect, if any, will landing at a	С	No effect on hydroplaning, but increases	Reduces hydroplaning	Increases hydroplaning potential regardless of braking.
		PLANIFICACIÓN	higher-than-recommended		landing roll.	potential if heavy braking is	
		DE VUELO	touchdown speed have on			applied.	
			hydroplaning?				
PTL	553		What effective runway length is	В	70 percent of the actual runway available,	115 percent of the runway	115 percent of the runway length required for a wet
		PLANIFICACIÓN	required for a turbojet-powered		from a height of 50 feet over the threshold.	length required for a dry	runway.
		DE VUELO	airplane at the destination airport if			runway.	
			the runways are forecast to be wet or			,	
			slippery at the ETA?				
PTL	554	PERFORMANCE Y	What indicates that a compressor stall	Α	Strong vibrations and loud roar.	"Occasional loud ""bang"" and	Completes loss of power with severe reduction in
		PLANIFICACIÓN	has developed and become steady?			low reversal."	airspeed.
		DE VUELO					
PTL	555	PERFORMANCE Y	"What is an area identified by the term	В	An area, at least the same width as the	An area designated for use in	An area, not as wide as the runway, capable of
		PLANIFICACIÓN	""stopway""? "		runway, capable of supporting an airplane	decelerating an aborted	supporting an airplane during a normal takeoff.
		DE VUELO	' '		during a normal takeoff.	takeoff.	
PTL	556	PERFORMANCE Y	What is controlled by the waste gas of	В	Supercharger gear ratio.	Exhaust gas discharge.	Throttle opening.
		PLANIFICACIÓN	a turbo-charged reciprocating engine?				
		DE VUELO					
PTL			What is the best method of speed	С	Apply full main wheel braking only.	Apply nosewheel and main	Apply aerodynamic braking to the fullest advantage.
	l		reduction if hydroplaning is			wheel braking alternately and	
		DE VUELO	experienced on landing?			abruptly.	

PTL	558	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What is the correct symbol for minimum unstick speed?	А	Vmu.	Vmd.	Vfc.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	What is the name of a plane beyond the end of a runway which does not contain obstructions and can be considered when calculating takeoff performance of turbine-powered aircraft?	А	Clearway.	Stopway.	Obstruction clearance plane.
PTL	1	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What is the resulting performance loss when one engine on a twin-engine airplane fails?	В	Reduction of cruise airspeed by 50 percent.	Reduction of climb by 50 percent or more.	Reduction of all performance by 50 percent.
PTL	1	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What performance is characteristic of flight at maximum L/D in a propeller-driven airplane?	А	Maximum range and distance glide.	Best angle of climb.	Maximum endurance.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	"What should a pilot do to maintain ""best range"" airplane performance when a tailwind is encountered? "	С	Increase speed.	Maintain speed.	Decrease speed.
PTL		PERFORMANCE Y PLANIFICACIÓN DE VUELO	When a turbine-engine-powered airplane is to be ferried to another base for repair of an inoperative engine, which operational requirement must be observed?	А	be on board the airplane.	The existing and forecast weather for departure, en route, and approach must be VFR.	No passengers except authorized maintenance personnel may be carried.
PTL	1	PERFORMANCE Y PLANIFICACIÓN DE VUELO	Where is the critical altitude of a supercharged reciprocating engine?	А	_	Highest altitude where the mixture can be leaned to best power ratio.	The altitude at which maximum allowable BMEP can be obtained.

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PTL	1 1		Which condition has the effect of	Α	Slush on the runway or inoperative	Low gross weight.	High density altitude.
		PLANIFICACIÓN	reducing critical engine failure speed?		antiskid.		
		DE VUELO					
PTL	566	PERFORMANCE Y	Which condition reduces the required	С	Higher-than-recommended airspeed	Lower-than-standard air	Increased headwind component.
		PLANIFICACIÓN	runway for takeoff?		before rotation.	density.	
		DE VUELO					
PTL	567	PERFORMANCE Y	Which is correct symbol for the stalling	В	Vso.	Vs.	Vs1.
		l .	speed or the minimum steady flight				
	1 1		speed at which the airplane is				
			controllable?				
PTL	568		Which is the correct symbol for design	A	Vc.	Vs.	Vma.
			cruising speed?				
	1 1	DE VUELO	and the second s				
PTL	569	PERFORMANCE Y	Which is the correct symbol for the	С	Vs.	Vs1.	Vso.
			minimum steady-flight speed or			1.52.	
	1 1	DE VUELO	stalling speed in the landing				
			configuration?				
PTL	570		Which is the definition of V2 speed?	В	Takeoff decision speed.	Takeoff safety speed.	Minimum takeoff speed.
' ' '	1 1	PLANIFICACIÓN	Willett is the definition of v2 speed:	٦	Takeon decision speed.	Takeon salety speed.	iviiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
	1 1	DE VUELO					
		DE VOELO					
PTL	571	PERFORMANCE V	Which maximum range factor	С	Angle of attack.	Altitude.	Airspeed.
' ' '			decreases as weight decreases?		Trible of attack.	Aiditude.	Trai specu.
	1 1		decreases as weight decreases!				
		DE VUELO					

PTL	PLANIFICACIÓN DE VUELO	Which operational requirement must be observed by a commercial operator when ferrying a large, three-engine, turbojet-powered airplane from one facility to another to repair an inoperative engine?		The computed takeoff distance to reach V1 must not exceed 70 percent of the effective runway length.	weather for departure, en route, and approach must be VFR.	No passengers may be carried.
PTL	PLANIFICACIÓN DE VUELO	Which operational requirement must be observed when ferrying a large, turbine-engine-powered airplane when one of its engines is inoperative?	A	The weather conditions at takeoff and destination must be VFR.	Weather conditions must exceed the basic VFR minimums for the entire route, including takeoff and landing.	The flight cannot be conducted between official sunset and sunrise.
PTL		Which operational requirement must be observed when ferrying an air carrier airplane when one of its three turbine engines is inoperative?	А	The weather conditions at takeoff and destination must be VFR.	The flight cannot be conducted between official sunset and official sunrise.	Weather conditions must exceed the basic VFR minimums for the entire route, including takeoff and landing.
PTL		Which performance factor decreases as airplane gross weight increases, for a given runway?	А	Critical engine failure speed.	Rotation speed.	Accelerate-stop distance.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	Which place in the turbojet engine is subjected to the highest temperature?	С	Compressor discharge.	Fuel spray nozzles.	Turbine inlet.
PTL	PLANIFICACIÓN	Which procedure produces the minimum fuel consumption for a given leg of the cruise flight?	А	Increase speed for a headwind.	Increase speed for a tailwind.	Increase altitude for a headwind, decrease altitude for a tailwind.
PTL	PLANIFICACIÓN	Which term describes the hydroplanning which occurs when an airplane's tire is effectively held off a smooth runway surface by steam generated by friction?	А	Reverted rubber hydroplanning.	Dynamic hydroplanning.	Viscous hydroplaning.

PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	Which type of compressor stall has the greatest potential for severe engine damage?	С	"Intermittent ""backfire"" stall."	"Transient ""backfire"" stall."	Steady, continuous flow reversal stall.
PTL		What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 138.5 X 97.6 inches? Floor load limit - 235 lb/sq ft Pallet weight - 219 lb Tiedown devices - 71 lb	В	21,840.9 pounds.	21,769.9 pounds.	22,059.9 pounds.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 143 X 125.2 inches? Floor load limit - 209 lb/sq ft Pallet weight - 197 lb Tiedown devices - 66 lb	С	25,984.9 pounds.	25,787.9 pounds.	25,721.9 pounds.
PTL		What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 24.6 X 68.7 inches? Floor load limit - 85 lb/sq ft Pallet weight - 44 lb Tiedown devices - 29 lb	A	924.5 pounds.	968.6 pounds.	953.6 pounds.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 33.5 X 48.5 inches? Floor load limit - 76 lb/sq ft Pallet weight - 44 lb Tiedown devices - 27 lb	С	857.4 pounds.	830.4 pounds.	786.5 pounds.
PTL	PERFORMANCE Y PLANIFICACIÓN DE VUELO	What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 34.6 X 46.4 inches? Floor load limit - 88 lb/sq ft Pallet weight - 41 lb Tiedown devices - 26 lb	А	914.1 pounds.	940.1 pounds.	981.1 pounds.

DTI	I coc	PERFORMANCE Y	What is the maximum allowable	ĪΛ	1 048 0 nounds	1 005 0 nounds	11 001 0 nounds
PTL	1 1			A	1,948.0 pounds.	1,995.0 pounds.	1,981.0 pounds.
	1 1		weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 36 X 48				
			inches? Floor load limit : 169 lbs/sq ft				
			Pallet weight: 47 Lbs Tiedown devices:				
			33 Lbs				
PTL	1 1		What is the maximum allowable	С	1,295.3 pounds.	1,212.3 pounds.	1,245.3 pounds.
		PLANIFICACIÓN	weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 36.5 X				
			48.5 inches? Floor load limit - 107				
			lb/sq ft Pallet weight - 37 lb Tiedown				
			devices - 33 lb				
PTL	587	PERFORMANCE Y	What is the maximum allowable	В	1,331.8 pounds.	1,302.8 pounds.	1,347.8 pounds.
		PLANIFICACIÓN	weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 36.5 X				
			48.5 inches? Floor load limit - 112				
			lb/sq ft Pallet weight - 45 lb Tiedown				
			devices - 29 lb				
PTL	588	PERFORMANCE Y	What is the maximum allowable	В	1,710.2 pounds.	1,663.2 pounds.	1,696.2 pounds.
		PLANIFICACIÓN	weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 42.6 X				
			48.7 inches? Floor load limit - 121				
			lb/sq ft Pallet weight - 47 lb Tiedown				
			devices - 33 lb				
PTL	589	PERFORMANCE Y	What is the maximum allowable	Α	6,767.8 pounds.	6,873.7 pounds.	6,796.8 pounds.
		PLANIFICACIÓN	weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 76 X 74				
			inches? Floor load limit : 176 lbs/sq ft				
			Pallet weight: 77 Lbs Tiedown devices:				
			29 Lbs				

PTL	PLANIFICACIÓN DE VUELO	What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 81 X 83 inches? Floor load limit 180 lbs/sq ft Pallet weight 82 Lbs tiedown devices: 31 Lbs	С	8,403.7 pounds.	8,321.8 pounds.	8,290.8 pounds.
PTL	PLANIFICACIÓN DE VUELO	What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 87.7 X 116.8 inches? Floor load limit - 175 lb/sq ft Pallet weight - 137 lbTiedown devices - 49 lb	А	12,262.4 pounds.	12,448.4 pounds.	12,311.4 pounds.
PTL	PLANIFICACIÓN DE VUELO	What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? Pallet dimensions are 116.8 X 87.7 inches Pallet weight - 137 lbs. Tiedown devices - 49 lbs. Cargo weight - 12,262.4 lbs.	В	172 lbs/sq ft.	176 lbs/sq ft.	179 lbs/sq ft.
PTL	PLANIFICACIÓN DE VUELO	What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? Pallet dimensions are 37.5 X 35 inchesPallet weight - 34 lbs. Tiedown devices -23 lbs. Cargo weight 1,255.4 lbs.	С	152 lbs/sq ft.	148 lbs/sq ft.	144 lbs/sq ft.
PTL	PLANIFICACIÓN DE VUELO	What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? Pallet dimensions are 39 X 37 inches Pallet weight - 37 lbs. Tiedown devices - 21 lbs Cargo weight - 1,094.3 lbs.	А	115 lbs/sq ft.	112 lbs/sq ft.	109 lbs/sq ft.

PTL	PLANIFICACIÓN DE VUELO	What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? Pallet dimensions are 48.5 X 33.5 inches Pallet weight - 44 lbs. Tiedown devices - 27 lbs. Cargo weight - 786.5 lbs.	В	79 lbs/sq ft.	76 lbs/sq ft.	73 lbs/sq ft.
PTL	PLANIFICACIÓN DE VUELO	What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? Pallet dimensions are 78.9 X 98.7 inches Pallet weight - 161 lbs. Tiedown devices - 54 lbs. Cargo weight - 9,681.5 lbs.	С	180 lbs/sq ft.	186 lbs/sq ft.	183 lbs/sq ft.
PTL	PLANIFICACIÓN	What minimum floor load limit must an aircraft have to carry the following pallet of cargo? Pallet size is 78.9 wide and 98.7 long Pallet weight - 161 lb Tiedown devices - 54 lb Cargo weight - 9,681.5 lb	С	185 lbs/sq ft.	179 lbs/sq ft.	183 lbs/sq ft.
PTL	DE VUELO	"What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 33.5 X 48.5 B inches?Floor load limit - 66 lb/sq ft Pallet weight - 34 lb Tiedown devices - 29 lb"	В	744.6 pounds.	681.6 pounds	663.0 pounds.
PTL	PLANIFICACIÓN DE VUELO	What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 24.6 X 68.7 inches? Floor load limit - 79 lb/sq ft Pallet weight - 43 lb Tiedown devices - 27 lb	В	884.1 pounds.	857.1 pounds.	841.1 pounds.

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PTL	l		What is the minimum floor load limit	С	180 lbs/sq ft.	186 lbs/sq ft.	183 lbs/sq ft.
	l		that an aircraft must have to carry the				
		DE VUELO	following pallet of cargo? Pallet				
			dimensions are 78.9 X 98.7 inches				
			Pallet weight - 161 lbs. Tiedown				
			devices - 54 lbs. Cargo weight - 9,681.5				
			lbs.				
PTL	601	PERFORMANCE Y	Whe weight and CG of an aircraft used	Α	Multiengine aircraft, preceding 36 calendar	Multiengine and single-engine	"Multiengine aircraft, last 36 calendar months; single-
		PLANIFICACIÓN	in air taxi service must have been		months.	aircraft, preceding 36 calendar	engine, last 24 calendar months."
		DE VUELO	calculated from those values			months.	
			established by actual weighing of the				
			aircraft within what period of time?				
PTL	602	PERFORMANCE Y	What is the maximum allowable	С	744.6 pounds.	681.6 pounds.	663.0 pounds.
		PLANIFICACIÓN	weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 33.5 X				
			48.5 inches? Floor load limit - 66 lb/sq				
			ft Pallet weight - 34 lb Tiedown				
			devices - 29 lb				
PTL	603	PERFORMANCE Y	What is the maximum allowable	Α	1,611.6 pounds.	1,654.6 pounds.	1,601.6 pounds.
		PLANIFICACIÓN	weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 42.6 X				
			48.7 inches? Floor load limit - 117				
			lb/sq ft Pallet weight - 43 lb Tiedown				
			devices - 31 lb				
PTL	604	PERFORMANCE Y	What is the maximum allowable	Α	21,669.8 pounds.	21,803.8 pounds.	22,120.8 pounds.
		PLANIFICACIÓN	weight that may be carried on a pallet				
		DE VUELO	which has the dimensions of 96.1 X				
			133.3 inches? Floor load limit - 249				
			lb/sq ft Pallet weight - 347 lb Tiedown				
			devices - 134 lb				

PTL	605		What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 98.7 X 78.9 inches? Floor load limit - 183 lb/sq ft Pallet weight - 161 lb Tiedown devices - 54 lb	С	9,896.5 pounds.	9,735.5 pounds.	9,681.5 pounds.
PTL	606	PRINCIPIOS DE VUELO	Airflow separation over the wing can be delayed by using vortex generators		directing high pressure air over the top of the wing or flap through slots and making the wing surface smooth.	directing a suction over the top of the wing or flap through slots and making the wing surface smooth.	making the wing surface rough and/or directing high pressure air over the top of the wing or flap through slots.
PTL	607	PRINCIPIOS DE VUELO	At what Mach range does the subsonic flight range normally occur?	А	Below .75 Mach.	From .75 to 1.20 Mach.	From 1.20 to 2.50 Mach.
PTL	608	PRINCIPIOS DE VUELO	At which speed will increasing the pitch attitude cause an airplane to climb?	В	Low speed.	High speed.	Any speed.
PTL	609	VUELO	By changing the angle of attack of a wing, the pilot can control the airplane's	В	lift, gross weight, and drag.	lift, airspeed, and drag.	lift and airspeed, but not drag.
PTL	610	PRINCIPIOS DE VUELO	Describe dynamic longitudinal stability.	В	Motion about the longitudinal axis.	Motion about the lateral axis.	Motion about the vertical axis.
PTL	611	PRINCIPIOS DE VUELO	For a given angle of bank, the load factor imposed on both the aircraft and pilot in a coordinated constantaltitude turn		is directly related to the airplane's gross weight.	varies with the rate of turn.	is constant.
PTL	612		For which purpose may flight spoilers be used?	A	Reduce the wings' lift upon landing.	Increase the rate of descent without increasing aerodynamic drag.	Aid in longitudinal balance when rolling an airplane into a turn.
PTL	613	VUELO	How can an airplane produce the same lift in ground effect as when out of ground effect?	В	The same angle of attack.	A lower angle of attack.	A higher angle of attack.
PTL	614	PRINCIPIOS DE VUELO	How can the pilot increase the rate of turn and decrease the radius at the same time?	В	Steepen the bank and increase airspeed.	Steepen the bank and decrease airspeed.	Shallow the bank and increase airspeed.

PTL	616	PRINCIPIOS DE VUELO PRINCIPIOS DE VUELO	Identify the type stability if the aircraft attitude remains in the new position after the controls have been neutralized.  Identify the type stability if the aircraft attitude tends to move farther from its original position, after the controls	A	Negative longitudinal static stability.  Negative static stability.	Neutral longitudinal dynamic stability.  Positive static stability.	Neutral longitudinal static stability.  Negative dynamic stability.
PTL	1	PRINCIPIOS DE	have been neutralized.  Identify the type stability if the aircraft	В	Positive dynamic stability.	Positive static stability.	Neutral dynamic stability.
		VUELO	attitude tends to return to its original position after the controls have been neutralized.				
PTL		PRINCIPIOS DE VUELO	If an aircraft with a gross weight of 2,000 pounds were subjected to a total load of 6,000 pounds in flight, the load factor would be		2 Gs.	3 Gs.	9 Gs.
PTL		PRINCIPIOS DE VUELO	If no corrective action is taken by the pilot as angle of bank is increased, how is the vertical component of lift and sink rate affected?	С	Lift increases and the sink rate increases.	Lift decreases and the sink rate decreases.	Lift decreases and the sink rate increases.
PTL		PRINCIPIOS DE VUELO	In a light, twin-engine airplane with one engine inoperative, when is it acceptable to allow the ball of a slipskid indicator to be deflected outside the reference lines?	В	While maneuvering at minimum controllable airspeed to avoid overbanking.	When operating at any airspeed greater than Vmc.	When practicing immiment stalls in a banked attitude.
PTL	1	PRINCIPIOS DE VUELO	The reason for variations in geometric pitch along a propeller or rotor blade?	I	It permits a relatively constant angle of incidence along its length when in cruising flight.	It permits a relatively constant angle of attack along its length when in cruising flight.	It prevents the portion of the blade near the hub or root from stalling during cruising flight.

PTL	1	PRINCIPIOS DE	The safest and most efficient takeoff	В	Changes the stalling angle of attack to a	accelerate to an airspeed	An increase in induced drag requiring a higher angle of
		VUELO	and initial climb procedure in a light,		higher angle.	slightly above Vmc, then lift off	attack.
			twin-engine airplane is?			and climb at the best rate-of-	
	<u> </u>					climb airspeed.	
PTL	623	PRINCIPIOS DE	the purpose of leading-edge slats on	В	Direct airflow over the top of the wing at	Direct air from the high	Decrease lift at relative slow speeds.
		VUELO	high-performance wings is:		high angles of attack.	pressure area under the	
						leading edge along the top of	
						the wing.	
PTL	624	PRINCIPIOS DE	The primary purpose of high-lift	В	L/Dmax.	lift at low speeds.	drag and reduce airspeed.
		VUELO	devices is to increase the				
PTL	625	PRINCIPIOS DE	Under what condition should stalls	Α	With one engine inoperative.	With climb power on.	With full flaps and gear extended.
		VUELO	never be practiced in a twin-engine				
			airplane?				
PTL	626	PRINCIPIOS DE	Upon which factor does wing loading	В	Rate of turn.	Angle of bank.	True airspeed.
		VUELO	during a level coordinated turn in				
			smooth air depend?				
PTL	627	PRINCIPIOS DE	What effects indicated stall speed?	Α	Weight, load factor, and power.	Load factor, angle of attack,	Angle of attack, weight, and air density.
		VUELO				and power.	
PTL	628	PRINCIPIOS DE	What are some characteristics of an	Α	Lowest stall speed, highest cruise speed,	Highest stall speed, highest	Lowest stall speed, lowest cruise speed, and highest
		VUELO	airplane loaded with the CG at the aft		and least stability.	cruise speed, and least	stability.
			limit?			stability.	
PTL	629	PRINCIPIOS DE	What characteristic should exist if an	С	Sluggish in aileron control.	Sluggish in rudder control.	Unstable about the lateral axis.
		VUELO	airplane is loaded to the rear of its CG				
			range?				
PTL	630	PRINCIPIOS DE	"What criteria determines which	Α	The one with the center of thrust closest to	The one designated by the	The one with the center of thrust farthest from the
		VUELO	engine is the ""critical"" engine of a		the centerline of the fuselage.	manufacturer which develops	centerline of the fuselage.
			twin-engine airplane? "			most usable thrust.	
PTL	631	PRINCIPIOS DE	What does the blue radial line on the	Α	Maximum single-engine rate of climb.	Maximum single-engine angle	Minimum controllable airspeed for single-engine
		VUELO	airspeed indicator of a light, twin-			of climb.	operation.
			engine airplane represent?				

5.71	Icaa	Indiana de De	had a control of	I.a	I	I	I=1
PTL	632	PRINCIPIOS DE	What effect does an increase in	C	9	The rate of turn will increase	The rate of turn will decrease resulting in no changes in
		VUELO	airspeed have on a coordinated turn		decreased load factor.	resulting in a increased load	load factor.
			while maintaining a constant angle of			factor.	
			bank and altitude?				
PTL	633	PRINCIPIOS DE	What effect does the leading edge slot	В	Decreases profile drag.	Changes the stalling angle of	Decelerates the upper surface boundary layer air.
		VUELO	in the wing have on performance?			attack to a higher angle.	
PTL	634	PRINCIPIOS DE	What effect, if any, does altitude have	С	None.	Increases with altitude.	Decreases with altitude.
		VUELO	on VMC for an airplane with				
			unsupercharged engines?				
PTL	635	PRINCIPIOS DE		В	When practicing immiment stalls in a	operating With one engine	When operating at any airspeed greater than Vmc.
		VUELO	practiced in a twin-engine airplane?		banked attitude.	inoperative.	
						·	
PTL	636	PRINCIPIOS DE	What flight condition should be	Α	An increase in induced drag requiring a	A decrease in parasite drag	An increase in dynamic stability.
		VUELO	expected when an aircraft leaves		higher angle of attack.	permitting a lower angle of	
			ground effect?			lattack.	
PTL	637	PRINCIPIOS DE	What is a characteristic of longitudinal	Α	Pitch oscillations becoming progressively	Bank oscillations becoming	Aircraft constantly tries to pitch down.
		VUELO	instability?		greater.	progressively greater.	, , ,
PTL	638	PRINCIPIOS DE	What is a purpose of flight spoilers?	В	Increase the camber of the wing.	Reduce lift without increasing	Direct airflow over the top of the wing at high angles of
		VUELO				airspeed.	attack.
PTL	639	PRINCIPIOS DE	What is load factor?	С	Lift multiplied by the total weight.	Lift substracted from the total	Lift divided by the total weight.
		VUELO				weight.	
PTL	640	PRINCIPIOS DE	What is one disadvantage of a	В	The wing root stalls prior to the wingtip	The wingtip section stalls prior	Severe pitchdown moment when the center of pressure
		VUELO	sweptwing design?		section.	to the wing root.	shifts forward.
PTL	641	PRINCIPIOS DE	What is the condition known as when	С	Porpoise.	Wingover.	Dutch roll.
		VUELO	gusts cause a sweptwing-type airplane				
			to roll in one direction while yawing in				
			the other?				
PTL	642	PRINCIPIOS DE	What is the effect on total drag of an	Α	Drag increases because of increased	Drag increases because of	Drag decreases because of lower induced drag.
		VUELO	aircraft if the airspeed decreases in		induced drag.	increased parasite drag.	-
			level flight below that speed for				
			maximum L/D?				
		I .	maximum 40.			l	

PTL	643	PRINCIPIOS DE VUELO	What is the free stream Mach number which produces first evidence of local sonic flow?	С	Supersonic Mach number.	Transonic Mach number.	Critical Mach number.
PTL	644	PRINCIPIOS DE VUELO	What is the highest speed possible without supersonic flow over the wing?	В	Initial buffet speed.	Critical Mach number.	Transonic index.
PTL	645	PRINCIPIOS DE VUELO	What is the movement of the center of pressure when the wingtips of a sweptwing airplane are shock-stalled first?	В	Inward and aft.	Inward and forward.	Outward and forward.
PTL	646	PRINCIPIOS DE VUELO	What is the primary function of the leading edge flaps in landing configuration during the flare before touchdown?	А	Prevent flow separation.	Decrease rate of sink.	Increase profile drag.
PTL	647	PRINCIPIOS DE VUELO	What is the principal advantage of a sweepback design wing over a straightwing design?	А	The critical Mach number will increase significantly.	Sweepback will increase changes in the magnitude of force coefficients due to compressibility.	Sweepback will accelerate the onset of compressibility effect.
PTL	648	PRINCIPIOS DE VUELO	What is the purpose of a control tab?	А	Move the flight controls in the event of manual reversion.	Reduce control forces by deflecting in the proper direction to move a primary flight control.	Prevent a control surface from moving to a full-deflection position due to aerodynamic forces.
PTL	649	PRINCIPIOS DE VUELO	What is the purpose of a servo tab?	В	Move the flight controls in the event of manual reversion.	Reduce control forces by deflecting in the proper direction to move a primary flight control.	Prevent a control surface from moving to a full-deflection position due to aerodynamic forces.
PTL	650	PRINCIPIOS DE VUELO	What is the purpose of an anti-servo tab?	С	Move the flight controls in the event of manual reversion.	Reduce control forces by deflecting in the proper direction to move a primary flight control.	Prevent a control surface from moving to a full-deflection position due to aerodynamic forces.
PTL	651	PRINCIPIOS DE VUELO	What is a purpose of flight spoilers?	В	Increase the camber of the wing.	Reduce lift without increasing airspeed.	Direct airflow over the top of the wing at high angles of attack.

PTL	652	PRINCIPIOS DE	Which is a purpose of leading-edge	С	Decrease lift at relative slow speeds.	Improve aileron control during	Direct air from the high pressure area under the leading
		VUELO	slats on high-performance wings?			low angles of attack.	edge along the top of the wing.
PTL	653	PRINCIPIOS DE	What is a purpose to used flight	С	Increase the rate of descent without	Aid in longitudinal balance	Reduce the wings' lift upon landing.
		VUELO	spoilers ?		increasing aerodynamic drag.	when rolling an airplane into a	
						turn.	
PTL	654	PRINCIPIOS DE	What is the purpose of an elevator		Provide horizontal balance as airspeed is	Adjust the speed tail load for	Modify the downward tail load for various airspeeds in
		VUELO	trim tab?		increased to allow hands-off flight.	different airspeeds in flight	flight eliminating flight-control pressures.
						allowing neutral control forces.	
PTL	655	PRINCIPIOS DE	What is the reason for variations in	А	It permits a relatively constant angle of	It prevents the portion of the	It permits a relatively constant angle of incidence along
		VUELO	geometric pitch along a propeller or		attack along its length when in cruising	blade near the hub or root	its length when in cruising flight.
			rotor blade?		flight.	from stalling during cruising	
						flight.	
PTL	656	PRINCIPIOS DE	What is the relationship between		Parasite drag increases more than induced	Induced drag increases more	Both parasite and induced drag are equally increased.
		VUELO	induced and parasite drag when the		drag.	than parasite drag.	
			gross weight is increased?				
PTL	657	PRINCIPIOS DE	What is the relationship of the rate of	Α	Rate will decrease and radius will increase.	Rate will increase and radius	Rate and radius will increase.
		VUELO	turn with the radius of turn with a			will decrease.	
			constant angle of bank but increasing airspeed?				
PTL	658	PRINCIPIOS DE	What is the result of a shock-induced	В	A high-speed stall and sudden pitchup.	"A severe moment or ""tuck	Severe porpoising.
		VUELO	separation of airflow occurring			under""."	
			symmetrically near the wing root of a sweptwing aircraft?				
PTL	659	PRINCIPIOS DE	What is the safest and most efficient	С	best engine-out, rate-of-climb airspeed		an airspeed slightly above Vmc, then lift off and climb at
		VUELO	takeoff and initial climb procedure in a		while on the ground, then lift off and climb	and climb at maximum angle-of	the best rate-of-climb airspeed.
			light, twin-engine airplane? Accelerate		at that speed.	climb airspeed.	
			to				
PTL	660	PRINCIPIOS DE	What performance should a pilot of a	Α	Heading.	Heading and altitude.	Heading, altitude, and ability to climb 50 ft/min.
		VUELO	light, twin-engine airplane be able to				
			maintain at VMC?				

PTL	661	PRINCIPIOS DE	What procedure is recommended for	lΑ	The flightpath and procedures should be	The altitude and airspeed	A normal approach, except do not extend the landing
		VUELO	an engine-out approach and landing?	<u> </u>	almost identical to a normal approach and	should be considerably higher	gear or flaps until over the runway threshold.
			an engine out approach and landing.		landing.	than normal throughout the	
					i and	approach.	
PTL	662	PRINCIPIOS DE	What true airspeed and angle of attack	В	The same true airspeed and angle of	A higher true airspeed for any	A lower true airspeed and higher angle of attack.
		VUELO	should be used to generate the same		attack.	given angle of attack.	
			amount of lift as altitude is increased?				
PTL	663	PRINCIPIOS DE	What will be the ratio between	С	the same.	two times greater.	four times greater.
' ''-	003	VUELO	airspeed and lift if the angle of attack		the same.	two times greater.	Tour times greater.
		VOLLO	and other factors remain constant and				
			airspeed is doubled? Lift will be				
			anspeca is adulted. Life will be				
PTL	664	PRINCIPIOS DE	When are inboard ailerons normally	С	Low-speed flight only.	High-speed flight only.	Low-speed and high-speed flight.
		VUELO	used?				
PTL	665	PRINCIPIOS DE	When are outboard ailerons normally	Α	Low-speed flight only.	High-speed flight only.	Low-speed and high-speed flight.
		VUELO	used?				
PTL	666	PRINCIPIOS DE	Which direction from the primary	В	Same direction.	Opposite direction.	Remains fixed for all positions.
		VUELO	control surface does a servo tab				
			move?				
PTL	667	PRINCIPIOS DE	Which direction from the primary	Α	Same direction.	Opposite direction.	Remains fixed for all positions.
		VUELO	control surface does an anti-servo tab				
			move?				
PTL	668	PRINCIPIOS DE	Which direction from the primary	С	Same direction.	Opposite direction.	Remains fixed for all positions.
		VUELO	control surface does an elevator				
			adjustable trim tab move when the				
	_		control surface is moved?				
PTL	669	PRINCIPIOS DE	Which is a purpose of ground spoilers?	Α	Reduce the wings' lift upon landing.	Aid in rolling an airplane into a	Increase the rate of descent without gaining airspeed.
		VUELO				turn.	
PTL	670	PRINCIPIOS DE	Which is a purpose of leading-edge	Α	Increase the camber of the wing.	Reduce lift without increasing	Direct airflow over the top of the wing at high angles of
DT/	674	VUELO	flaps?	ļ. —	1. 1.6	airspeed.	attack.
PTL	671	PRINCIPIOS DE	Which is a purpose of leading-edge	Α	Increase lift at relative slow speeds.	Improve aileron control during	Direct air from the high pressure area under the leading
		VUELO	slats on high-performance wings?			low angles of attack.	edge along the top of the wing.

PTL	672	PRINCIPIOS DE	Which is a purpose of wing-mounted	lΑ	Reduce the drag caused by supersonic flow	Increase the onset of drag	Break the airflow over the wing so the stall will progress
	1	VUELO	vortex generators?		over portions of the wing.	divergence and aid in aileron effectiveness at high speed.	from the root out to the tip of the wing.
PTL	673	PRINCIPIOS DE VUELO	Which of the following are considered primary flight controls?	С	Tabs.	Flaps.	Outboard ailerons.
PTL	1	PRINCIPIOS DE VUELO	Which of the following is considered a primary flight control?	В	Slats.	Elevator.	Dorsal fin.
PTL	1	PRINCIPIOS DE VUELO	Which of the following is considered an auxiliary flight control?	С	Ruddervator.	Upper rudder.	Leading-edge flaps.
PTL	1	PRINCIPIOS DE VUELO	Why do some airplanes equipped with inboard/outboard ailerons use the outboards for slow flight only?	В	Increased surface area provides greater controllability with flap extension.	Aerodynamic loads on the outboard ailerons tend to twist the wingtips at high speeds.	Locking out the outboard ailerons in high-speed flight provides variable flight control feel.
PTL	1	PRINCIPIOS DE VUELO	Why must the angle of attack be increased during a turn to maintain altitude?	А	Compensate for loss of vertical component of lift.	Increase the horizontal component of lift equal to the vertical component.	Compensate for increase in drag.
PTL	1	PRINCIPIOS DE VUELO	Within what Mach range does transonic flight regimes usually occur?	В	.50 to .75 Mach.	.75 to 1.20 Mach.	1.20 to 2.50 Mach.
PTL		S	A runwaymay be contaminated by frozen water deposits. What are the three states of frozen water reported by ATC?	С	Clear ice, rime ice and snow.	Light snow, heavy snow, blizzard.	Snow, ice and slush.
PTL		s	"Which ""code letter"" shall be chosen to identify a taxiway to be used by an aircraft having a wheel base of 15 m?"	С	"Code letter ""D""."	"Code letter ""B"""	"Code letter ""C""."

PTL	681	PROCEDIMIENTO	The part of an aerodrome used for	lΑ	Apron	Ramp	Stand
		S	embarking and disembarking				
		OPERACIONALES	passengers, loading of cargo and mail				
		OT ENVICIONALES	as well as the servicing of aircraft is				
			called?				
PTL	602	PROCEDIMIENTO	Category II operation is:	С	a runway intended for the operation of	a precision instrument	a precision instrument approach and landing, with a DH
PIL	002	I C	Category if operation is.	1		l '	1
		ODED A CIONIAL EC			class II type aircraft.	approach and landing, with	lower than 200 ft but no lower than 100 ft, and a RVR
		OPERACIONALES				either a DH lower than 100 ft,	not less than 350 m.
						or with no DH and a RVR not	
						less than 200 m.	
PTL	683	PROCEDIMIENTO	The aerodrome elevation is the height	C	the airfield reference datum.	the threshold of the main	the highest point in the landing area.
		S	of:			precision runway.	
		OPERACIONALES					
PTL	684	PROCEDIMIENTO	"According with the ""Aerodrome	Α	1.800 m and over.	1.600 m	1.500 m
		S	Reference Code"" the ""Code number				
		OPERACIONALES	4 "" shall identify an aircraft reference				
			field length of:"				
PTL	685	PROCEDIMIENTO	For planning purposes, an aerodrome	С	Load classification number.	Single wheel loading	Aerodrome reference field length.
		s	is categorised by aerodrome reference			classification.	
		OPERACIONALES	code. This code is composed of two				
			lelements: a number and a letter. What				
			does the number relate to:				
			aces the named relate to.				
PTL	686	PROCEDIMIENTO	An aerodrome reference point is	В	elevation of the highest point of the	the designated geographical	pre-fñight altimeter check location.
		s	defined as the:		landing area.	location of the aerodrome.	
		OPERACIONALES	demied as the			location of the defourome.	
		O. LIVICIOIVILLS					
PTL	687	PROCEDIMIENTO	Which of the following Annexes to the	С	Annex 11	Annex 6	Annex 14
-		s	Chicago convention contains minimum	1			
		OPERACIONALES	specifications for the design of				
		LINACIONALLS	aerodromes?				
			laerouromes:				

PTL	688	PROCEDIMIENTO	"""An area symmetrical obout the	В	Clearway.	runway end safety area.	stopway
1		ς	extended runway center line and	ا ا	oreal way.	Tanway ena sarety area.	Stopway
		OPERACIONALES	adjacent to the end of the strip				
			primarily intended to reduce the risk				
			of damage to an aeroplane				
			undershooting or overruning the				
PTL	689	DDOCEDINALENTO	runway"" is the definition for:"	Δ	obstacle free zone	critical area	
PIL	689		A volume of airspace extending	l <sup>A</sup>	obstacie free zone	Critical area 	non transgression zone
			upwards and outwards fron an inner				
			portion of the strip to specified upper				
			limits which is kept clear of all				
			obstructions is called:				
PTL	600	DROCEDINALENTO	Which of the following group shows	В	29, 29C, 29.	29L, 29C, 29R.	29L, 29, 29R.
PIL	090		1	ľ	29, 29C, 29.	29L, 29C, 29R. 	29L, 29, 29R.
			the correct designators for three				
			parallel runways seen from the				
571	604		direction ot the approach?	ļ. —			
PTL	691		"""Instrument runways"" are the	Α	Non precision approach runways, precision	1	Instrument approach runways, precision approach
			following runways intended for the		approach runways category I, II and III.	category I, II and III.	runways category I, II and III.
		OPERACIONALES	operation of aircraft using instrument				
			approach procedures."				
				_			
PTL	692		In the case of parallel runways, each	l <sub>B</sub>	"by a number like ""0"" and ""01"" for 2	"by a letter - for example 2	by a letter for 2 parallel runways.
			runway designation number shall be		parallel runways."	parallel runways ""l"" and ""r""	
		OPERACIONALES	supplemented:			- for 3 ""L"", ""C"" and ""R""."	
PTL	693		Aerodromes signs should be in the	Α	"information signs; yellow or black	"mandatory instruction signs;	"information signs; orange background with black
			following configuration:		background with black or yellow	lack background with red	inscriptions."
		OPERACIONALES			inscriptions."	inscriptions."	
				_		10.0	Leve
PTL	694		The ICAO bird strike information	В	IBSI	IBIS	IRIS
			system is also known as:				
		OPERACIONALES					

	S OPERACIONALES PROCEDIMIENTO	Within the Annex to the ICAO convention that specifies dimensions of aerodromes are codes for different runways. Which is the minimum width of a runway with runway code 4?  The length of a clearway should not exceed:	А	35 metres  1/2 TORA	45 metres  1/2 TODA	40 metres  1/2 LDA
	OPERACIONALES					
PTL	PROCEDIMIENTO S OPERACIONALES	An OCA is referenced to:	В	the Aerodrome Reference Point.	Mean Sea Level.	the relevant Runway Threshold.
PTL	S	A minimum instrument altitude for enroute operations off of published airways which provides obstruction clearance of 1,000 feet in nonmountainous terrain areas and 2,000 feet in designated mountainous areas.	В	Minimum Obstruction Clearance Altitude (MOCA)	Off-Route Obstruction Clearance Altitude (OROCA)	Minimum Safe/Sector Altitude (MSA)
PTL	S	A pilot is operating in Class G airspace. If existing weather conditions are below those for VFR flight, an IFR flight plan must be filed and an ATC clearance received prior to		takeoff if weather conditions are below IFR minimums.	entering controlled airspace.	entering IFR weather conditions.
PTL		An alternate airport for departure is required	А	if weather conditions are below authorized landing minimums at the departure airport.		when destination weather is marginal VFR (ceiling less than 3,000 feet and visibility less than 5 SM).

PTL	PROCEDIMIENTO S OPERACIONALES	"An ATC ""instruction"" "	В	"is the same as an ATC ""clearance."""	is a directive issued by ATC for the purpose of requiring a pilot to take a specific action providing the safety of the aircraft is not jeopardized.	"must be ""read back"" in full to the controller and confirmed before becoming effective."
PTL	S	Assuming that all ILS components are operating and the required visual references are not acquired, the missed approach should be inititiated upon	А	arrival at the DH on the glide slope.	arrival at the visual descent point.	expiration of the time listed on the approach chart for missed approach.
PTL	S	Assuring that appropriate aeronautical charts are aboard an aircraft is the responsibility of the	С	aircraft dispatcher.	flight navigator.	pilot in command.
PTL	S	At what maximum indicated airspeed can a B-727 operate within Class B airspace without special ATC authorization?	В	230 knots.	250 knots.	275 knots.
PTL	PROCEDIMIENTO S OPERACIONALES	At what maximum indicated airspeed can a reciprocating-engine airplane operate in the airspace underlying Class B airspace?	В	180 knots.	200 knots.	230 knots.
PTL	S	At what maximum indicated airspeed may a reciprocating-engine-powered airplane be operated within Class D airspace?	С	156 knots.	180 knots.	200 knots.
PTL	S	At what minimum altitude is a turbine- engine-powered, or large airplane, required to enter Class D airspace?	A	1,500 feet AGL.	2,000 feet AGL.	2,500 feet AGL.

PTL	S OPERACIONALES	Below what altitude, except when in cruise flight, are non-safety related cockpit activities by flight crewmembers prohibited?	A	10,000 feet.	14,500 feet.	FL 180.
PTL	s	Civil aircraft holding at an altitude of 14,000 feet at a military or joint civil/military use airports should expect to operate at which holding pattern airspeed?	С	250 knots	260 knots	230 knots
PTL	PROCEDIMIENTO S OPERACIONALES	Except during an emergency, when can a pilot expect landing prority?	С	When cleared for an IFR approach.	When piloting a large, heavy aircraft.	In turn, on a first-come, first-serve basis.
PTL	PROCEDIMIENTO S OPERACIONALES	How often are NOTAMs broadcast to pilots on a scheduled basis?	С	15 minutes before and 15 minutes after the hour.	Between weather broadcasts on the hour.	Hourly, appended to the weather broadcast.
PTL	PROCEDIMIENTO S OPERACIONALES	How should a pilot describe braking action?	С	00 percent, 50 percent, 75 percent, or 100 percent.	Zero-zero, fifty-fifty, or normal.	Nil, poor, fair, or good.
PTL		How should an off-airway direct flight be defined on an IFR flight plan?	В	The initial fix, the true course, and the final fix.	All radio fixes over which the flight will pass.	The initial fix, all radio fixes which the pilot wishes to be compulsory reporting points, and the final fix.
PTL	s	If a four-engine air carrier airplane is dispatched from an airport that is below landing minimums, what is the maximum distance that a departure alternate airport may be located from the departure airport?	В	Not more than 2 hours at cruise speed with one engine inoperative.	Not more than 2 hours at normal cruise speed in still air with one engine inoperative.	Not more than 1 hour at normal cruise speed in still air with one engine inoperative.

PTL	716	S OPERACIONALES PROCEDIMIENTO S	If ATC requests a speed adjustment that is not within the operating limits of the aircraft, what action must the pilot take?  "If being radar vectored to the final approach course of a published	В	Maintain an airspeed within the operating limitations as close to the requested speed as possible.  advise ATC that a procedure turn will not be executed.	request a reasonable airspeed from ATC.  not execute the procedure turn unless specifically cleared to do	Advise ATC of the airspeed that will be used.  execute a holding-pattern type procedure turn.
		OPERACIONALES	instrument approach that specifies ""NO PT"", the pilot should "			so by ATC.	
PTL		S	If visual reference is lost while circling to land from an instrument approach, what action(s) should the pilot take?	А	Make a climbing turn toward the landing runway until established on the missed approach course.	Turn toward the landing runway maintaining MDA, and if visual reference is not gained, perform missed approach.	Make a climbing turn toward the VOR/NDB, and request further instructions.
PTL		PROCEDIMIENTO S OPERACIONALES	"In what airspace will ATC not authorize ""VFR on Top""? "	С	Class C airspace	Class B airspace	Class A airspace
PTL		S	Maximum holding speed for a civil turbojet aircraft at a joint use airport civil/navy between 7,000 and 14,000 feet is	В	265 knots.	230 knots.	200 knots.
PTL		S OPERACIONALES	Maximum holding speed for a propeller-driven airplane may hold at is:	А	265 knots	230 knots.	156 knots.
PTL		PROCEDIMIENTO S OPERACIONALES	Maximum holding speed for a turbojet airplane above 14,000 feet is	С	210 knots.	230 knots.	265 knots.

PTL	PROCEDIMIENTO S OPERACIONALES	NOTAM (L)s are used to disseminate what type of information?	В	Conditions of facilities en route that may cause delays.	Taxi closures, personnel and equipment near or crossing runways, airport lighting aids that do not affect instrument approaches criteria, and airport rotating beacon outages.	Time critical information of a permanent nature that is not yet available in normally published charts.
PTL	S	Pilots should notify controllers on initial contact that they have received the ATIS broadcast by	С	"stating ""Have numbers"""	"stating ""Have Weather"""	repeating the alphabetical code word appended to the broadcast.
PTL	S	Prior to listing an airport as an alternate airport in the dispatch or flight release, weather reports and forecasts must indicate that weather conditions will be at or above authorized minimums at that airport	С	for a period 1 hours before or after the ETA.	during the entire flight.	when the flight arrives.
PTL	s	The minimum weather conditions that must exist for an airport to be listed as an alternate in the dispatch release for a domestic air carrier flight are	В	those listed in the NOAA IAP charts for the alternate airport, at the time the flight is expected to arrive.	those specified in the certificate holder's Operations Specifications for that airport, when the flight arrives.	those listed in the NOAA IAP charts for the alternate airport, from 1 hour before or after the ETA for that flight.
PTL	PROCEDIMIENTO S OPERACIONALES	The prescribed visibility criteria of RVR 32 for the runway of intended operation is not reported. What minimum ground visibility may be used instead of the RVR value?	В	3/8 SM.	5/8 SM.	3/4 SM.

PTL	S	The visibility criteria for a particular instrument approach procedure is RVR 40. What minimum ground visibility may be substituted for the RVR value?  "Under what conditions may a pilot on		5/8 SM.  Maintain IFR flight plan but comply with	3/4 SM.  Maintain VFR altitudes, cloud	7/8 SM.  Maintain IFR altitudes, VFR cloud clearances, and
	S OPERACIONALES	an IFR flight plan comply with authorization to maintain ""VFR on Top""? "	Ь	visual flight rules while in VFR conditions.	clearances, and comply with applicable instrument flight rules.	comply with applicable instrument flight rules.
PTL	PROCEDIMIENTO S OPERACIONALES	Under what conditions may an air carrier pilot continue an instrument approach to the DH, after receiving a weather report indicating that less than minimum published landing conditions exist at the airport?	С	If the instrument approach is conducted in a radar environment.	When the weather report is received as the pilot passes the FAF.	When the weather report is received after the pilot has begun the final approach segment of the instrument approach.
PTL	S	Under which condition, if any, may a pilot descend below DH or MDA when using the ALSF-1 approach light system as the primary visual reference for the intended runway?	С	Under no condition can the approach light system serve as a necessary visual reference for descent below DH or MDA.	Descent to the intended runway is authorized as long as any portion of the approach light system can be seen.	The approach light system can be used as a visual reference, except that descent below 100 feet above TDZE requires that the red light bars be visible and identifiable.
PTL	PROCEDIMIENTO S OPERACIONALES	What action is expected of an aircraft upon landing at a controlled airport?	В	Continue taxiing in the landing direction until advised by the tower to switch to ground control frequency.	suitable taxiway and remain on	Exit the runway at the nearest suitable taxiway and switch to ground control upon crossing the taxiway holding lines.
PTL	PROCEDIMIENTO S OPERACIONALES	"What action should a pilot take if asked by ARTCC to ""VERIFY 9,000"" and the flight is actually maintaining 8,000?"	С	Immediately climb to 9,000.	Report climbing to 9,000.	Report maintaining 8,000.

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PTL	733	PROCEDIMIENTO	What action should a pilot take if	lc	Assume lost communications and continue		Start a speed reduction to holding speed in preparation
		S	within 3 minutes of a clearance limit		as planned.	until further clearance is	for holding.
		OPERACIONALES	and further clearance has not been			received.	
			received?				
PTL	734	PROCEDIMIENTO	What action should a pilot take when	В	Read the clearance back in its entirety.	Request a clarification from	Do not accept the clearance.
		S	a clearance is received from ATC that			ATC.	
		OPERACIONALES	appears to be contrary to a				
			regulation?				
PTL	735	PROCEDIMIENTO	"What action should be taken when a	В	Descend to minimum vector altitude.	Remain at last assigned	Descend to initial approach fix altitude.
		S	pilot is ""cleared for approach"" while			altitude until established on a	
		OPERACIONALES	being radar vectored on an			published route segment.	
			unpublished route? "				
PTL	736	PROCEDIMIENTO	"What action should the pilot take	Α	Contact ground control prior to starting	Taxi into position and hold	Start engines, perform pre-take-off check, and request
		s	when ""gate hold"" procedures are in		engines for sequencing	prior to requesting clearance	
		OPERACIONALES	leffect? "		8		
PTL	737	PROCEDIMIENTO	What action(s) should a pilot take if	В	Continue on the last heading issued until	Contact approach control, and	Turn onto final, and broadcast in the blind that the flight
		S	vectored across the final approach		otherwise instructed.	advise that the flight is crossing	- 1
		OPERACIONALES	course during an IFR approach?			the final approach course.	
		OT ETHICIOTYALES	leadise during air ii k approach.			The initial approach course.	
PTL	738	PROCEDIMIENTO	What altitude is a pilot authorized to	В	may begin a descent to the procedure turn	must maintain the last assigned	may descend from the assigned altitude only when
		s	fly when cleared for an ILS approach?		altitude.	altitude until established on a	established on the final approach course.
		OPERACIONALES	The pilot		arritade.	published route or segment of	established on the final approach course.
		OI LIVACIOIVALLS	The phot			the approach with published	
						l ''	
						altitudes.	
PTL	739	PROCEDIMIENTO	"What cloud clearance must be	Α	May maintain VFR clearance above, below,	Must maintain VER clearance	May maintain VFR clearance above or below, but not
	39	ic Kocholiviilivii	complied with when authorized to	<u> </u> ^	or between layers.		between layers.
		ODEDVCIONALEC	· ·		between layers.	above of below.	between layers.
		OPERACIONALES	maintain ""VFR on Top""? "				

PTL	740	PROCEDIMIENTO	What is the difference between a	В	A visual approach is an IFR authorization	A visual approach is initiated by	Both are the same but classified according to the party
	/40	I COCEDIIVIIENTO	visual and a contact approach?		while a contact approach is a VFR	ATC while a contact approach	initiating the approach.
		ODEDACIONIALES	Visual and a contact approach:			l ''	initiating the approach.
		OPERACIONALES			authorization.	is initiated by the pilot.	
PTL	741	PROCEDIMIENTO	What is the maximum distance that a	В	1 hour at normal cruise speed in still air	1 hour at normal cruise speed	2 hours at normal cruise speed in still air with one
		s	departure alternate airport may be		with both engines operating.	in still air with one engine	engine operating.
		OPERACIONALES	from the departure airport for a two-			operating.	
			engine airplanes?				
PTL	742	PROCEDIMIENTO	What is the maximum holding speed	А	265 knots.	230 knots.	250 knots.
		S	for a civil turbojet holding at a civil at				
		OPERACIONALES	15,000 feet MSL, unless a higher speed				
			is required due to turbulence or icing				
			and ATC is notified?				
PTL	743	PROCEDIMIENTO	What is the maximum indicated	С	180 knots.	230 knots.	250 knots.
	'	S	airspeed a reciprocating-engine-	ľ	100 Kilotsi	250 111015.	230 KHOLS.
		OPERACIONALES	powered airplane may be operated				
		OT ETW (CIGITY LEES	within Class B airspace?				
PTL	744	PROCEDIMIENTO	What is the maximum indicated	В	288 knots.	250 knots.	230 knots.
' ' -	'	S	airspeed a turbine-powered aircraft	ا ا	200 Kilots.	250 Kilots.	230 Kilots.
		OPERACIONALES	may be operated below 10,000 feet				
		OT ENACIONALES	MSL?				
PTL	745	PROCEDIMIENTO	What is the minimum flight visibility	В	3 statute miles, 1000 feet above, 500 feet	5 statute miles, 1000 feet	5 statute miles, 1000 feet above, 500 feet below, and 1
		S	and distance from clouds for flight at		below, and 2,000 feet horizontal	above, 1,000 feet below, and 1	mile horizontal
		OPERACIONALES	10,500 feet, in Class E airspace, with a			mile horizontal.	
			VFR -on Top clearance during daylight				
			hours?				
PTL	746	PROCEDIMIENTO	What is the normal procedure for IFR	С	Pilots request IFR clearance when ready to	Pilots request IFR clearance	Pilots request IFR clearance 10 minutes or less prior to
		S	departures at locations with pre-taxi		taxi. The pilot will receive taxi instruction	when ready to taxi. Pilots will	taxi, then request taxi clearance from ground control.
		OPERACIONALES	clearance programs?		with clearance.	receive taxi clearance, then	
						receive IFR clearance while	
						taxiing or on run-up.	

PTL PTL	S OPERACIONALES	What is the pilot's responsibility for clearance or instruction readback?  What is the primary purpose of a	В	Except for SID's, read back altitude assignments, altitude restrictions, and vectors.  Provide separation between IFR and VFR	understood, an acknowledgment is sufficient.	Read back the entire clearance or instruction to confirm the message is understood.  Decrease traffic congestion at certain airports.
	S OPERACIONALES	STAR?		traffic.	procedures.	·
PTL		"What is the purpose of the term ""hold for release"" when included in an IFR clearance? "		A procedure for delaying departure for traffic volume, weather, or need to issue further instructions.	When an IFR clearance is received by telephone, the pilot will have time to prepare for takeoff prior to being released.	Gate hold procedures are in effect and the pilot receives an estimate of the time the flight will be released.
PTL	S OPERACIONALES	What is the required flight visibility and distance from clouds if you are operating in Class E airspace at 9,500 feet with a VFR clearance during daylight hours?		3 statute miles, 1,000 feet above, 500 feet below, and 2,000 feet horizontal.	5 statute miles, 500 feet above, 1,000 feet below, and 2,000 feet horizontal.	3 statute miles, 500 feet above, 1,000 feet below, and 2,000 feet horizontal.
PTL	PROCEDIMIENTO S OPERACIONALES	What is the suggested time interval for filing and requesting an IFR flight plan?	I .	File at least 30 minutes prior to departure and request the clearance not more than 10 minutes prior to taxi.	File at least 30 minutes prior to departure and request the clearance at least 10 minutes prior to taxi.	File at least 1 hour prior to departure and request the clearance at least 10 minutes prior to taxi.
PTL	S	What minimum aircraft equipment is required for operation within Class C airspace?	В	Two-way communications.	Two-way communications and transponder.	Transponder and DME.
PTL	S	What minimum ground visibility may be used instead of a prescribed visibility criteria of RVR 16 when that RVR value is not reported?	А	1/4 SM.	3/4 SM	3/8 SM.

PTL	PROCEDIMIENTO S OPERACIONALES	"What minimum information does an abbreviated departure clearance ""cleared as filed"" include? "	С	Clearance limit and en route altitude.	Clearance limit, en route altitude, and SID, if appropriate.	Destination airport, en route altitude, and SID, if appropriate.
PTL	S	What pilot certification and aircraft equipment are required for operating in Class C airspace?	l .	No specific certification but a two-way radio.	At least a Private Pilot Certificate and two-way radio.	At least a Private Pilot Certificate, two-way radio, and TSO-C74b transponder.
PTL	PROCEDIMIENTO S OPERACIONALES	What report should the pilot make at a clearance limit?	А	Time and altitude/flight level arriving or leaving.	Time, altitude/flight level, and expected holding speed.	Time, altitude/flight level, expected holding speed, and inbound leg length.
PTL	S	What restriction applies to a large, turbine-powered airplane operating to or from a primary airport in Class B airspace?	В	Must not exceed 200 knots within Class B airspace.	Must operate above the floor when within lateral limits of Class B airspace.	Must operate in accordance with IFR procedures regardless of weather conditions.
PTL	PROCEDIMIENTO S OPERACIONALES	"What separation or service by ATC is afforded pilots authorized ""VFR on Top? "	С	The same afforded all IFR flights.	3 miles horizontally instead of 5.	Traffic advisories only.
PTL	S	What service is provided for aircraft operating within the outer area of Class C airspace?	А	The same as within Class C airspace when communications and radar contact is established.	Radar vectors to and from secondary airports within the outer area.	Basic radar service only when communications and radar contact is established.
PTL	PROCEDIMIENTO S OPERACIONALES	What services are provided for aircraft operating within Class C airspace?	A	Sequencing of arriving aircraft, separation of aircraft (except between VFR aircraft), and traffic advisories.	Sequencing of arriving aircraft (except VFR aircraft), separation between all aircraft, and traffic advisories.	Sequencing of all arriving aircraft, separation between all aircraft, and traffic advisories.
PTL	PROCEDIMIENTO S OPERACIONALES	"What special consideration is given for turbine-powered aircraft when ""gate hold"" procedures are in effect?	l .	They are given preference for departure over other aircraft.	They are expected to be ready for takeoff when they reach the runway or warm-up block.	They are expected to be ready for takeoff prior to taxi and will receive takeoff clearance prior to taxi.

PTL	762		What type information is disseminated	А	Status of navigation aids, ILSs, radar service		Temporary flight restrictions, changes in status in
		OPERACIONALES	by NOTAM (D)s?		available, and other information essential to planning.	closings, runway and taxiway conditions, and airport lighting	navigational aids, and updates on equipment such as VASI.
						aids outages.	
PTL	763	PROCEDIMIENTO	When a composite flight plan indicates		,	The pilot should advise ATC to	The pilot should advise ATC to cancel the IFR portion
		S	IFR for the first portion of the flight,		and the VFR portion is automatically	cancel the IFR portion and	and activate the VFR portion.
		OPERACIONALES	what is the procedure for the		activated when the pilot reports VFR	contact the nearest FSS to	
			transition?			activate the VFR portion.	
PTL	764	PROCEDIMIENTO	When a departure alternate is	Α	2 hours from the departure airport at	1 hour from the departure	2 hours from the departure airport at normal cruising
		S	required for a three-engine air carrier			airport at normal cruising	speed in still air.
		OPERACIONALES	flight, it must be located at a distance			speed in still air with one	
			not greater than			engine inoperative.	
PTL	765	PROCEDIMIENTO	When a speed adjustment is necessary	С	188 knots.	210 knots.	230 knots.
		S	to maintain separation, what				
		OPERACIONALES	minimum speed may ATC request of a				
			turbine-powered aircraft departing an				
			airport?				
PTL	766	PROCEDIMIENTO	When a speed adjustment is necessary	В	200 knots.	210 knots.	250 knots.
		S	to maintain separation, what				
		OPERACIONALES	minimum speed may ATC request of a				
			turbine-powered aircraft operating				
			below 10,000 feet?				
PTL	767	PROCEDIMIENTO	When does ATC issue a STAR?	Α	Only when ATC deems it appropriate.	Only to high priority flights.	Only upon request of the pilot.
		S					
		OPERACIONALES					
PTL	768	PROCEDIMIENTO	When entering a holding pattern	В	1 minute.	1-1/2 minutes.	1-1/2 minutes or 10 NM, whichever is less.
	1,00	I ROCEDIMILIATO	above 14,000 feet, the initial		ir minute.	1-1/2	11-1/2 minutes of 10 Min, willelievel is less.
		OPERACIONALES	outbound leg should not exceed				
		OPERACIONALES	Tourbound leg should not exceed				

PTL	S	When holding at an NDB, at what point should the timing begin for the second leg outbound?	С		At the end of a 1-minute standard rate turn after station passage.	When abeam the holding fix.
PTL	S	When must the pilot initiate a missed approach procedure from an ILS approach?	С	At the DH when the runway is not clearly visible.	When the time has expired after reaching the DH and the runway environment is not clearly visible.	At the DH, if the visual references for the intended runway are not distinctly visible or anytime thereafter that visual reference is lost.
PTL		When proceeding to the alternate airport, which minimums apply?	С	The IFR alternate minimums section in front of the NOAA IAP book.	2000-3 for at least 1 hour before until 1 hour after the ETA.	The actual minimums shown on the chart for the airport.
PTL	S	When simultaneous ILS approaches are in progress, which of the following should approach control be advised immediately?		Any inoperative or malfunctioning aircraft receivers.	If a simultaneous ILS approach is desired.	If radar monitoring is desired to confirm lateral separation.
PTL	S	When takeoff minimums are not prescribed for a civil airport, what are the takeoff minimums under IFR for a three-engine airplane?	В	1 SM.	1/2 SM.	300 feet and 1/2 SM.
PTL	S	When the forecast weather conditions for a destination and alternate airport are considered marginal for operations, what specific action should the dispatcher or pilot in command take?		List an airport where the forecast weather is not marginal as the alternate.	Add 1 additional hour of fuel based on cruise power settings for the airplane in use.	List at least one additional alternate airport.
PTL	S OPERACIONALES	When using a flight director system, what rate of turn or bank angle should a pilot observe during turns in a holding pattern?		3° per second or 25° bank, whichever is less.	3° per second or 30° bank, whichever is less.	1-1/2° per second or 25° bank, whichever is less.

PTL	S OPERACIONALES	Where are position reports required on an IFR flight on airways or routes?	A	Over all designated compulsory reporting points.	Only where specifically requested by CORPAC Flight Planning.	When requested to change altitude or advise of weather conditions.
PTL		Which IFR fix(es) should be entered on a composite flight plan?	С	All compulsory reporting points en route.	The VORs that define the IFR portion of the flight.	The fix where the IFR portion is to be terminated.
PTL	S	Which reports are always required when on an IFR approach not in radar contact?	А	Leaving FAF inbound or outer marker inbounds and missed approach.	Leaving FAF inbound, leaving outer marker inbound or outbound, and missed approach.	Leaving FAF inbound, leaving outer marker inbound or outbound, procedure turn outbound and inbound, and visual contact with the runway.
PTL		Which reports are required when operating IFR in radar environment?	С	Position reports, vacating an altitude, unable to climb 500 ft/min, and time and altitude reaching a holding fix or point to which cleared.	Position reports, vacating an altitude, unable to climb 500 ft/min, time and altitude reaching a holding fix or point to which cleared, and a change in average true airspeed exceeding 5 percent or 10 knots.	Vacating an altitude, unable to climb 500 ft/min, time and altitude reaching a holding fix or point to which cleared, a change in average true airspeed exceeding 5 percent or 10 knots, and leaving any assigned holding fix or point.
PTL	S OPERACIONALES	While being vectored to the final approach course of an IFR approach, when may the pilot descend to published altitudes?	С	Anytime the flight is on a published leg of an approach chart.	When the flight is within the 10 mile ring of a published approach.	Only when approach control clears the flight for the approach.
PTL	PROCEDIMIENTO S OPERACIONALES	"With regard to flight crewmember duties, which of the following operations are considered to be in the ""critical phase of flight""? "	С	Taxi, takeoff, landing, and all other operations conducted below 10,000 feet MSL, including cruise flight.	Descent, approach, landing, and taxi operations, irrespective of altitudes MSL.	Taxi, takeoff, landing, and all other operations conducted below 10,000 feet, excluding cruise flight.
PTL		The best extinguishant to use on a wheel or brake fire is:	В	CO2	Dry powder	Freon

PTL		PROCEDIMIENTO S OPERACIONALES	Where does the intermediate missed approach segment end?	С	At the point where the climb is established.	Where the turn towards the IAF is made.	Where 50 m obstacle clearance is obtained and can be maintained.
PTL		PROCEDIMIENTO S OPERACIONALES	The initial missed approach segment:	А	climb is established.	begins at the threshold and end s at the point where the climb is established.	begins where the pilot looses the guidance criteria and ends when OCH is passed.
PTL		S	Which of the following standard instrument departures is not a straight departure?		track differs more than 20° from the runway alignment.	A departure where the initial departure track differs more than 15° from the runway alignment.	A departure where the initial departure track differs more than 10° from the runway alignment.
PTL	786	PROCEDIMIENTO S OPERACIONALES	Which of the following frequences are used for emergency operations?	С	243 MHz.	2.182 kHz.	121,5 MHz, 243 MHz and 2.182 kHz.
PTL		S	What is the meaning of V seen on the ground in the vicinity of an aircraft crash site?	А	Assistance required.	Supplies and fuel required.	Medical assistance required.
PTL		PROCEDIMIENTO S OPERACIONALES	"Which code shall be used on mode ""A"" to provide recognition of an emergency aircraft?"	В	Code 7000	Code 7700	Code 7500
PTL			Pilots shall not SQUAK IDENT unless they:	В	operate within controlled airspace.	are requested by ATC	operate outside controlled airspace.
PTL		S	If a transponder failure is detected before departure from an aerodrome the aircraft:	С		can fly for up to 24 hours by which time the transponder must be repaired	can fly to an aerodrome where the transponder can be repaired.

PTL	791	PROCEDIMIENTO	Which of the statements below	С	The length of the runway declared	The length of the runway plus	The length of the runway plus the length of the
		S	describes the Accelerate Stop Distance	ı '	available and suitable for the ground run of	the length of the clearway.	stopway.
		OPERACIONALES	Available (ASDA)?	'	an aeroplane taking off.		
PTL	792	PROCEDIMIENTO	What is the only object permitted to	Α	An ILS or MLS azimuth (centerline	Any fixed object no more than	The ILS glidepath antenna.
		S	protrude through the plane of a	'	guidance) antenna.	45 ft high.	
		OPERACIONALES	precision approach CAT II and CAT III	, '			
			lighting system within 60 m of the	, '			
			center line of the approach lights?	'			