


The CIX VFR Club			VATSIM Pilot Ratings	Level: P3 Syllabus	
Version 1.2 05/05/17			VATSIM Requirement	Training	Testing
A			Introduction		
				The Club's P3 Rating Training Manual "P3.1_Pilot_Ratings_Training_Manual_Level_P3" includes information for self-learning for each topic in this syllabus..	Pilot knowledge will be tested both by a) Written examination in the form of a web-based multiple choice questionnaire; and b) By a flight to demonstrate that the standard of skill and airmanship required at the P3 level has been achieved.
B			Essential Software		
				Expectation that the student will have all software installed and working. Teamspeak 3, used by the Club, is especially mentioned for off line communications.	The student will demonstrate the ability to connect to VATSIM and TeamSpeak appropriately at the start of the flight test.
C			The P3 Training Syllabus		
				An overview of what is included in the P3 rating.	
1			Flight Rules		

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1	1	The student shall be able to describe the key differences between VFR and IFR flight and ATC services on the VATSIM network and why the pilot might choose to fly VFR.	The Club Training Manual refers to the UK definitions of Visual Flight Rules and Instrument Flight Rules. It discusses the difference between VFR and IFR. The ATC Services available in the UK outside controlled Airspace (ATSOCAS) and within controlled airspace are described, including Special VFR and night flight. The ATC dialogue which pilots should know and expect from ATC is covered in the Club's ATC manual "ATC Manual for VATSIM VFR Pilots".	The flight test will examine the student's knowledge of VFR flight rules in both controlled and uncontrolled airspace..
	2	The material in this section should be at a high level and brief as the deeper knowledge is defined below. The key is understanding the main differences between VFR and IFR and what ATC services a VFR pilot can expect on VATSIM to paint the 'big picture of VFR' for the student.		
	3	Tips for Success should be focused on passing the experiences and lessons learned of the ATO's staff that any VFR pilot would like to know when flying VFR on VATSIM. The tips should be positive in presentation to the student.		


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2		Weather and VFR		Test Method: Written Test.
	1	What weather allows for VFR flight in the ATO's Area Of Operations	UK Cloud and in-flight visibility requirements for VFR flight in various classes of airspace.	
	2	How to read a METAR and TAF,	Revision of the Club P1 course material on weather, including Go/No go decisions; Vatsim	
	3	Where to get weather relevant to the UK		


2		Charts for VFR flying		
	1	How to read appropriate VFR-oriented charts relevant to the UK	In addition to the P3 specific training manual, exercises 18a and 18d of the Club's Flight Training manual cover this topic.	The student will be given a departure aerodrome, a destination aerodrome and an intermediate aerodrome a day or two in advance of the flight test and will prepare a suitable route, which will be discussed at the beginning of the flight test, to evaluate their understanding of charts, chart symbology and restrictions applicable to VFR Flight
	2	Where to find charts for UK VFR flight		
	1	Using VFR charts common to the geographic area, the student shall demonstrate the ability to interpret chart diagrams and features that affect VFR flight and ATC interactions.		
	2	The student shall be able to use the charts to plan and execute a VFR flight with online VATSIM ATC		
	3	Alternatively the student may use Plan-G for interpreting chart symbology, airspace boundaries and route selection.		


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3		VATSIM ATC Services for		
	1	Basic transponder usage, squawking VFR and IDENT feature.	The Club's manual of ATC Services "ATC for Pilots" covers this section of the syllabus.	Test Method: Written Test and Practical Flight Test
	2	Conducting VFR flights with or without basic radar service from ATC		
	3	Towered and non-towered VFR operations (what to say, when to say, and why)		
	4	Clearances from controlled and uncontrolled airports; to file or not file as VFR		
	5	Communications, Voice and Text - Controlled and Uncontrolled Airspace		
	6	1 The student shall be able to describe the expected ATC service from airport and enroute situations for VFR flights		
		2 The student shall be able to obtain a VFR clearance for departure from controlled and uncontrolled airports or enroute ATC		
		3 The student shall be able to execute a VFR flight between two airports at least 100 nm distance using online VATSIM VFR ATC services		

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4		VFR Flight Planning		
	1	VFR cruising altitudes and enroute clearances	Exercise 18a of the Club's Training manual covers this topic.	Test Method: The student will be given a route and weather information and must submit a flight plan for this route to the examiner in advance of the flight. He/She must also prepare a weight and balance schedule
	2	Fuel requirements and ETE planning		
	3	Completes a documented VFR flight plan including, for each leg, calculated values for:	ETE : Fuel Burn : ETA : Heading : Track : COMM and NAV frequencies and bearings	
	4	Able to plot a VFR flight on an appropriate VFR chart with legs that correspond to the flight planning document above		
	5	Able to file an appropriate VATSIM VFR flight plan; VFR comments		
	6	Remaining VFR through the whole flight		
	7	Departure, enroute, and arrival ATC planning		

5		Procedures Local to the Airport		
	1	Ground Procedures	Exercises 5 (Taxying) and 12 (Take off and climb to downwind) of the Club's Flight Training manual cover this topic.	Test Method: Written Test and Practical Flight Test
	1	Controlled and Uncontrolled Airports		
	2	Ramps, Aprons, Taxiways		
	3	Taxi to and from ramp		
	4	Crossing Runways		
	2	Taxi and take Off Procedures		
	1	Controlled and Uncontrolled Airports		
	2	Entering and Leaving Runways		
	3	Departing and Arriving at controlled and uncontrolled airports	Exercises 12 (Take off and climb to downwind) and 13 (Circuit, Approach and Landing)	

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	4	1	How to fly a traffic pattern, starting on the ground, or by departing or arriving on any leg in the pattern	of the Club's Flight Training manual cover this topic.
		2	Controlled and Uncontrolled Airports	
	5		Merging VFR and IFR traffic at controlled and uncontrolled airports	The P3 Rating Training document covers this section of the syllabus.
		1	What VFR pilots can expect from other VFR pilots	
		2	What VFR Pilots can expect from IFR Pilots	
		3	What VFR Pilots can expect from ATC	
		4	What ATC expects from VFR Pilots	
		5	What VFR Pilots can expect from ATC	
		6	What IFR pilots can expect from VFR Pilots	
	6		Communications, Voice and Text	
		1	Controlled and Non Controlled Airspace	
		2	Unicom Best Practice	
	7		Airport Facilities	
		1	Visual Landing Systems (PAPI/VASI, etc.)	
		2	Windsock	
		3	Ramp/apron, taxiways, runways, markings and lighting for VFR operations	
		4	Weather Services and Information	
	8		Starting and Ending the VFR Flight	
		1	Where should I connect to begin my VFR flight?	
		2	Who should I be contacting?	
		3	Where do I taxi to for parking at the arrival airport?	
	9		VFR Landing and Take Offs, Off Airport	
6			Airspace and Airports	

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	1	Classes of Airspace	This section is covered in several of the Club documents mentioned above.	Test Method: Written Test and Practical Flight Test
	2	Transitioning different airspace		
	3	What airspace are we in now?		
	4	Can we fly VFR in this airspace?		
	5	Communication requirements		
7		Enroute procedures and ATC interactions		
	1	ATC services appropriate for VFR Flight in the UK	The P3 Rating Training document covers this section of the syllabus.	Test Method: Written Test and Practical Flight Test
	2	Flying Around or Through Busy Airspace		
	3	Network connections enroute		
	4	Procedure to connect from a VFR enroute position		
8		Navigation		
	1	Dead Reckoning	Exercises 18a and 18d of the Club Training manual cover navigation in full detail.	Test Method: Written Test and Practical Flight Test
	2	Waypoint Identification		
	3	VOR/NDB Navigation		
	4	GPS		
9		Flight Test		
		At least 1 ATO-supervised and graded VFR flight over a minimum of 150 NM total distance, involving:	Two test flight routes have been designed to conform to this requirement.	Test Method: Practical Flight Test
	1	Three landings at different airports		
	1	Departure from an Uncontrolled Airport comprising either both crosswind, and downwind legs, or an overhead departure		

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	2	An approach, full stop landing and take off from an ATC Approach and Tower controlled airport with VATSIM ATC online		
	3	An approach, touch and go landing and take off from a non-controlled airport		
	4	Fly a VFR circuit ending in a full stop landing and taxi to parking.		
	2	Demonstrate pilot to ATC communications for all portions of the flight		
	3	Demonstrate accurate VFR navigation throughout the flight, including an appropriate vertical profile.		
	4	Each flight shall require ATO approval for the following before the required flight is started by the student:		
	1	Appropriate Aircraft Choice		
	2	Flight Plan submitted in advance of the flight		
	3	Appropriate paper charts or flight software		
	4	VFR Flight Plan Filing		
	5	VFR Flight log submitted after the flight		
	5	The different skills required and enjoyment to be had flying VFR in the UK will be highlighted.		
	6	All procedures and materials will be appropriate for VFR flight in the UK		