the Reds virtual

Pilot GUIDE

Version 1.0.0

8 July 2021

Revisions

Version	Date	Description	Amended By
0.1.0	4 July 2021	Initial Proposal	CPTS
0.2.0	5 July 2021	Adding Green Operation Policy	CPTS
1.0.0	8 July 2021	Released Version	CPTS

Foreword

Welcome *RedChamps*,

We would like to welcome you onboard The Reds Virtual, where you can simulate the immersive daily operation of "the World Best Low Cost Airline" right from the desk on your very own room.

Here in The Reds Virtual, you will not only fly the aircraft to the schedules, but you will have many challenges through a series of events, tours and out of the box activities. Also be sure to check our exam sections in which we help you master the aircraft, its system and how to operate them.

Should you want to immerse yourself to be just like a duty airline pilot, go ahead and sign up to the Flight Assignment Program, where your flight schedule is taken care of by our automated scheduling system, and you will get a list of flights to be flown, for the whole week. As you know, no pilot in the airline chooses their own flight, instead the airline makes the schedule.

So, lets paint the skies RED.

Warmest regards,

M. Raihan Azhar
The CEO of The Reds Virtual

Minimum Requirement

Simulator

Accepted Simulator Platform :
- FS9
- FSX (with Accelerated or Steam Version)
- Prepared 3D (all version)
- X-Plane 10 or above (Windows version)
- MS Flight Simulator (all vendors)

Due to native of our system and limitations of our acars software, we don't accept flights done on any of the OSX version of Simulators, mobile platform and simulator platforms other than mentioned above.

For immersive simulation, we highly recommend you not to use default simulator aircraft.

Hardware

System : Minimum Windows 7 running system, capable to run any of one accepted simulator platform.

Online Network Activity

Though it is not mandatory to fly online on the network, we highly recommend you to do flight in the online network environment where you can get traffic and ATC interactions during your flight.

First Step

Essential

Redtrax 2.0

All flights done for The Reds Virtual must be done using our Redtrax. No flights without Redtrax 2.0 will be accepted. Should there be an outage on our system, with several requirements, manual pirep is available.

The Redtrax 2.0 can be downloaded here : https://crew.theredsvirtual.com/index.php/downloads

Redtrax 2.0 Minimum System Requirement :
- Windows Vista or later only
- .NET Framework 4.5
- FSUIPC or XPUIPC
- Visual C++ 2010 Libraries (x86)
- DirectX June 2010 Redistributable

Redtrax 2.0 requires an adequate Internet connection to send the pirep, while for flight tracking, internet connection is not neccesary. But we suggest you to have adequate internet connection at all times.

Liveries

To get the most of your simulation session, and to support our branding in the online network, we highly advise you to use the proper liveries for your aircraft.

Many liveries sources are available, you can freely use any one of them. For your convenience, we also provide several liveries that can be downloaded from the Resources Thread on our discord channel.

Join our discord panel by clicking this link : https://discord.gg/DV5WtDURNx

Ab Initio Status

Ab Initio Status

On acceptance, you will be given Ab Initio status, where you are not allowed to fly using any of the aircraft. You have to complete the Entrance exam with a minimum score of 80%, before we can allow you to get onboard our fleet and perform flights with it. Should you pass the Entrance Exam, you will be given Pilot Trainee rank, and assigned to our default Pilot Hub in WIII.

In the meantime, you are free to visit any part of our website, and get yourself familiarized with our operation and features.

Visit the REDAcademy page to take the Entrance Exam or click this link : https://crew.theredsvirtual.com/index.php/exams

Flight Operation

Standard Operation

Our Standard operation will cover all flight activities available on the schedules. You are free to choose any flight you wishes to fly, as long it is available on the flight schedules list. Please be advised, that you can only choose a flight from the current airport where you are located. This current airport will be based from your last landing location, jumpseated location, or assigned by staff.

It is your responsibility to conduct an efficient and safe flight operation, thus we provide basic pre-flight data to help you plan your flight.

Duty Assignment Program

Duty Assignment is where you get a series of assigned flights to be flown. These series flights will be started from your Hub, and will end in the same Hub.

To join the Duty Assignment Program, please visit : https://crew.theredsvirtual.com/index.php/AutoAssign

Your assigned flights will be emailed to you. The duty flight assignments are valid for 1 week (Monday to Sunday), and will be changed each start of the week.

Due to the elevated level of duty, your assigned flight data is directly sent to Redtrax server, and you have to prepare the flight briefing yourself, as your assigned flight will not be maintained by default scheduling system.

Apart from the assigned schedules, you can still book the standard schedules. Be advised, that you have to fly back to the airport (or deadhead), where your flight assignment continues.

Hub and Bases

To maintain the service availability to our virtual passengers, pilots will be assigned to the certain hub. This assigned hub will be the operational base for the pilot.

Currently, The Reds Virtual establishes hubs in the following airport :

Indonesia Air Asia :
- Jakarta Soekarno Hatta International Airport (WIII/CGK)
- Surabaya Juanda International Airport (WARR/SUB)
- Kuala Namu International AIrport (WIMM/KNO)
- Ngurah Rai International Airport (WADD/DPS)
- Lombok Praya International AIrport (WADL/LOP)

Hub transfer is available on request, and subject to approval. Please contact FlightOps@theredsvirtual.com for hub transfer request.

Flight Performance Requirement

With the Green Operation and Safety Operation in mind, we are looking forward to the As Real As It Gets simulation session, within the simulator platform limit, which means that you are requested to follow certain procedures to enhance the immersion of the flight.

We realize that there are so many parameters during the flight, but we only manage the critical part of the flight, where we will enforce the procedures, such as (not limited to) landing rate, simulation slew and pause policy, mid-air refueling. We have our confidence and believe that you are the pilot, who is in charge of the operations of the aircraft and maintains the safety conduct of the flight.

Green Operation Policy

Our VA is implementing the Green Operation Policy. The purpose of this policy is to ensure the flight operation run as effective as possible without compromising the safety aspects. We expect all of our pilots can take part on this Green Operation Policy. This policy consist of some operational procedures, such as:

1. Single Engine Taxi
   - If the parking stand is quite far from the runway or congestion is expected on the departure, single engine taxi In and Out is recommended. Make sure after all engines have stabilized, you have 2 minutes to spare before the takeoff for engine warm up. And for arrival, at least you have 3 minutes engines cool down after high thrust operation (e.g. Full Reverse Thrust) before the single engine taxi operation. Remember to use engine number 1 only for single engine taxi on A320. For Single Engine Taxi tutorial you can refer to our tutorial video: **https://youtu.be/w1CqGqSn1DQ**
2. Decelerated approach.
   - On decelerated approach, you need to delay the deployment of the flaps to reduce the drag that created by flaps. Make sure you are on a landing config not below 1500ft AGL. For

decelerated approach tutorial you can refer to our tutorial video: **https://youtu.be/hSL3eHtSFEc**

3. Reduced flaps setting on landing.
   - Use of flap 3 setting is strongly recommended on every landing except on short runway (e.g. WICC, WAMP), tailwind component more than 10 knots or runway is contaminated. The less flaps you use, the less drag you got and also the less fuel you burned.
4. Low Autobrake select on landing.
   - If the landing performance meets the criteria, Low autobrake is recommended to use.
5. Idle Reverse on landing.
   - Use Idle Reverse on landing to reduce fuel consumption and for passenger comfort. Use full reverse thrust if the landing performance did not meet the criteria, if the runway wet and braking action not good or the runway is contaminated.

*This is not the full procedure on how to do the Green Operation due to privacy policy limitation and for the sake of simplicity for common people.

Rank System

All pilots in The Reds Virtual will be accredited with virtual rank, to compliment their time and performance dedication to the airline, with exception of the Ab Initio status, where you get at the initial acceptance to the airline.

The current rank system in The Reds Virtual are :
- Ab Initio : Initial rank on acceptance. Not allowed to perform flight.
- Pilot Trainee : Obtained after passing the Entrance Exam.
- First Officer : Obtained after 20 flight hours duty in previous rank
- Senior First Officer : Obtained after 100 flight hours duty in previous rank.
- Captain : Obtained after 250 flight hours duty in previous rank, and passing the Captain Exam.
- Senior Captain : Obtained after 500 flight hours duty in previous rank, and passing the SC Exam and CPTS interview.

Airline Features

Web Features

Schedule Search

This page will allow you to search flights using input boxes, or directly from the map by clicking the airport icon. Be advised that flights will be limited to departures from your current location.

Should you think that the search result did not satisfy you, and wish to change the current location, you can opt for the jumpseat option with some cost deducted from your virtual bank account. For your info, to prevent money laundering activities, we have the absolute control of your virtual bank account

Informations

Information pages provide you with several aviation related important data that can affect your flight planning. Some of these data are real time real world data, use your judgement to amend the data to your flight planning.

These pages are Weather, Airport and Fleets

Flight Assignment

Page where you can opt in for the Duty Assignment Program. This page will show a list of your current assigned flights if you already join the program.

You can book your assigned flight from this page, and send the flight data directly to the Redtrax server. Be advised, that flights booked from this page, will not be shown in the standard flight bid page.

Event & Tours

Provide you with flight activities other than the routine scheduled flights. Some of them will reward you with nice and shiny unique awards to be put on your profile page.

Be sure to check this page regularly.

Exam Center

This page will host all your exams in The Reds Virtual. Started with Ab Initio exam which allow you to start your duty as our pilot, to the ultimate exam of Senior Captain who proves you are the real Pilot of The Reds Virtual

Profile & Logbook

Here you can find details for your account and record of your conducted flight with The Reds Virtual.
Be advised that we will conduct a random check to the data, to prove that you are the valid person for that account.

Redtrax 2.0 Overview

Download & Installation

You have to download Redtrax 2.0 from this link : [download link] (login is necessary)

Redtrax 2.0 installation is pretty straight forward, just follow the instructions on the installer.

It is good practice to install and run Redtrax 2.0 with administrator privilege.

To avoid nasty Windows Security notification, and guarantee a flawless connection between Redtrax 2.0 and your simulator, as well the Redtrax 2.0 with the internet, it is highly advised to install Redtrax 2.0 NOT IN THE DEFAULT C:\PROGRAM FILE(x486). Just put it somewhere else.

Application Quick Guide

1. Run Redtrax 2.0 alongside with your simulation
2. Click Flights to get your booked flight. Though the Duty Assignment Flight is not shown on the website, it will be shown here.
3. Click the flight you want to fly.
4. Go back to the simulator, and make sure you have loaded the aircraft and the final payload. You have the option to continue with the pre-flight activities, or back to the Redtrax to start the flight recording.
5. Start the flight Recording. Notice that Redtrax will play the attendant sound on your aircraft. Make sure your Parking Brakes are set, and no engine is running.
6. You can complete the pre-flight activities, and continue to complete the flight.
7. Do your flight in the simulator, leave the Redtrax 2.0 running in the background.
8. Once the flight is completed, make sure you set your parking brakes, and shut down all of your engines before stopping the Redtrax 2.0 flight recording.
9. Go back to the Redtrax 2.0 and click Stop, and if you are satisfied with your flight performance, continue to file the Pirep.
10. Once the Pirep is sent, it will be waiting for the staff approval. Please wait for your Pirep to be approved to update your last location, as it will affect your schedule search result.

Community Tools

Discord Channel

Currently, we have only one community channel, to facilitate the member to member communication. This channel can be used to communicate the official related or casual not officially related issue. Please be kind with the word and language, respect other fellow pilot, and never share or ignite a destructive discussion.

Contacting The Staff

The primary way to contact staff is via email, although several light issues can be handled via the official Discord Channel. **DO NOT** contact our staff via their private social media, please have respect to other people privacy.