



SANTO DOMINGO FIR TRAINING SYLLABUS

EFFECTIVE MAY 2020

INTRODUCTION

This guide provides a wide overview to our facilities training program. This guide does NOT prescribe air traffic control procedures and phraseology. Controllers are required to be familiar with this guide. This document is only to be used in a simulated environment. This document shall not be referenced or utilized in live operations. The Santo Domingo FIR, VATCAR and VATSIM do not take any responsibility for uses of this order outside the simulated environment.

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Introduction

Welcome to Santo Domingo FIR. This syllabus is designed to provide students with a comprehensive overview of the facility training program. If you have any question comments or concerns, you are advised to contact the facility training team via discord or teamspeak.

Training Block 100 – Initial Setup and Familiarization

101 – VRC Configuration

- Download VRC.
- Download Sector, POF & Alias files.
- Initial configuration.
- Setup sweatbox server.
- Profile Setup.
- Scope Overview.
- Range Limitations.
- Available tools.
- Filter Configuration.
- Hot Keys.

102 – Course Path Discussion

- Review VATSIM ratings and limitations.
- Review FIR training path.
- Review how to book training sessions.

103 – Airspace Classification

- Radar vs Non-Radar.
- Class A through Class G.

104 – Controller Coordination

- TeamSpeak.
- Override.
- Intercom.
- Private message.
- Professionalism.
- Courtesy.
- Breaks.

105 – Allowable Emergencies

- Review VATSIM regulations.

Training Block 110 – Student Rating (S1)

OBS rated students are expected to acquire 5 hours of active observation time prior to starting training block 110.

111 – Clearance Delivery

111.1 – Clearance Delivery

- Simple IFR. (VOR, Radar Vectors)
- Complex IFR. (SIDS, GATES)
- Simple VFR.
- VFR SIDs.
- Obstacle Departures.

111.2 – Flight Plan Amendments

- DIY amendments.
- Coordinated amendments.
- Altitude amendments.
- Required readbacks.

111.3 – Issuing Clearance

- IFR Clearance.
- Complex IFR Clearance.
- VFR Clearance.
- Obstacle Clearance.

112 – Introduction to Ground

112.1 – Movement vs. Non-Movement Areas

- Ramps.
- Taxiways.
- Runways.
- Helipads.

112.2 – Issuing Taxi

- Basic taxi instructions.
- Progressive taxi instructions.
- Hold short & Crossing instructions.
- Backtrack instructions.
- Hover and Air taxi instructions.

112.3 – Advanced Ground Operations

- Runway configuration.
- Using scratchpad.
- Temp altitude assignment.
- Gate hold procedures.

Over the Shoulder (OTS) Exam:

The OTS will focus on your ability to properly control aircrafts on the ground while providing accurate IFR & VFR clearances. Provided you successfully pass the exam, you will be certified to control all MDCS clearance delivery and ground positions.

Training Block 200 – Student Rating (S2)

S1 Certified students are expected to acquire 20 hours on ground controlled positions before beginning training block 200.

201 – Introduction to Tower Operations

- VRC reconfiguration.
- Airspace limitations.
- ATIS Issuance.
- Runway selection.
- Wind.
- Runway entry procedures.
- Runway exit procedures.

202 – Basic Operations

- Departure & Blanket releases.
- Wake Turbulence.
- Separation Minima.
- Line Up and Wait. (LUAW)
- Land and Hold Short Operations. (LAHSO)

203 – IFR Operations

- Take off clearance.
- Intersection departures.
- Handoff.
- Landing clearance.
- Landing with traffic.

204 – VFR Operations

- VFR Tower.
- The Pattern.
- VFR Departures.
- VFR Arrivals.
- VFR Sequencing.
- Take off clearance.
- Landing clearance.
- The option.
- Transition VFR.

205 – Advisories & Advance Operations

- Sidestep Operations.
- How to issue IFR Traffic Advisory.
- How to issue VFR Traffic Advisory.
- Helicopter Operations.

Over the Shoulder (OTS) Exam:

The OTS will focus on your ability to properly control aircrafts on the ground and air while providing accurate IFR & VFR clearances, traffic point outs and proper controller coordination. Provided you successfully pass the exam, you will be certified to control all MDCS tower positions.

Training Block 300 – Student Rating (S3)

S2 Certified students are expected to acquire 20 to 30 hours on tower controlled positions before beginning training block 300.

301 – Introduction to Radar

- VRC Reconfiguration.
- Airspace limitation.
- What is radar?
- What is its purpose?
- How does it work?

302 – Radar Identification

- Primary radar identification.
- Secondary radar identification.
- Phraseology.
- Initial contact.

303 – Separation

- Radar Separation.
- Wake Turbulence Separation.
- Visual Separation.

304 – Departure Services

- Sequencing.
- Climb VIA.
- Radar Vectors.

305 – Arrival Services

- Altimeter.
- Approach type.
- Runway assignment.
- Radar vectors.

306 – Merging Targets

- Procedures.
- Safety Alerts.

307 – Alerts

- Terrain/Obstacle Alerts.
- Traffic Alert.
- Vectoring Traffic.

308 – Charts

- Introduction to Charts.
- Reading SIDs.
- Reading STARs.
- Reading IAPs.

309 – Approaches

- Vectoring for approach.
- Different Approach Types.
- PETAC.

310 – Terminating Radar Services

- IFR.
- VFR.

311 – General Radar Operations

- Uncontrolled fields.
- Pick-up IFR. (Pop-up)
- Cancel IFR.
- Flight following.
- VFR on top.
- Holding Procedures.

312 – Special Airspace

- Special use airspace.
- Restricted airspace.
- Prohibited airspace.
- Military operations area.
- Warning area.
- Alert area.

313 – Point Outs & Transfer of Control

Over the Shoulder (OTS) Exam:

The OTS will focus on your ability to properly control aircrafts on the ground and air while meeting all S2 requirements and properly radar contacting aircrafts, issuing uncontrolled field clearances, descending aircrafts via STARs, vectoring into approaches and placing aircrafts into holds. Provided you successfully pass the exam, you will be certified to control all MDCS radar positions.

Training Block 400 – Center Rating (C1)

S3 Certified students are expected to acquire 40 hours on radar controlled positions before beginning training block 400.

401 – Introduction to Center Operations

- Altimeter settings.
- Lowest usable flight levels.
- Block altitudes.
- Letter of agreement.

402 – Center Operations

- RVSM.
- Decent calculation.
- Crossing restrictions.

403 – Weather

- Advanced WX. (sigments, airmets)
- WX Deviations.

Over the Shoulder (OTS) Exam:

The OTS will focus on your ability to properly control aircrafts on the ground and air while meeting all S3 requirements, providing weather information, placing aircrafts into proper stars, initiating aircraft descent at proper distances, transitioning aircrafts for oceanic flights and much more. Provided you successfully pass the exam, you will be certified to control all MDCS center positions.

Conclusion:

This training syllabus was coordinated to provide our controllers a broad overview of our facility training program. This syllabus is not designed to provide a step by step guide. Should you have questions comments or concerns, you are advised to contact the facility training team via discord or teamspeak.