Honolulu Training Syllabus

(S3)

This is the S3 training outline established for the Honolulu Control Facility. It has been created in order to standardize the instruction of students with in the facility and to result in them becoming professional controllers and showing outstanding knowledge of how to work the position in which they are logged into.

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Abel Tuinei – Honolulu Training Administer

Section 1 – Introduction to VRC Radar Functions

– VRC STAR and ARTS modes
– Tracking Aircraft
– Temp Altitudes

Section 2 – Approach/Departure Basics

2.1 – Describe the position to the student. The purpose of the controller
2.2 – Radar Identification
2.2.1 – Verbal Rolling Call
2.2.2 – Nonverbal Rolling call
2.2.3 – Position to a NAVAID
2.2.4 – Visual Reporting Points

2.2.5 – Observing a target make 30° turns or more

2.2.6 – Altitude Passing
2.2.7 – Squawk Ident / Stby / Normal
2.3 – Radar Contact Lost
2.4 – Radar Separation
2.4.1 – Vertical Separation
2.4.2 – Terminal Area vs Non Terminal Area
2.4.3 – Lateral Separation
2.4.4 – Methods for Separation of Aircraft
2.5 – Speed Control
2.6 – Vectoring Aircraft
2.6.1 – Phraseology
2.6.2 – Turn right/left xxx°
2.6.3 – Normal Vector
2.7 – Traffic Point outs/Flight Following/Advisories
2.7.1 – Cardinal Direction
2.7.2 – IFR Point outs
2.7.3 – VFR FF to VFR point outs
2.8 – Hand offs
2.8.1 – Coordination
2.8.2 – When to hand off
2.8.3 – Phraseology
2.8.4 – Point outs
2.8.4.1 – Coordination phraseology
2.9 – Uncontrolled Field Operations (Brief)
2.10 – No Gyro

Section 3 – Approach Fundamentals

3.1 – Talk about STAR's
3.1.1 – Go over STAR charts
3.2 – Instrument Approaches (Precision)
3.2.1 – Vectoring for ILS
3.2.1.1 – 30 Degrees
3.2.2 – ILS Approach Clearances
3.2.2.1 – PTAC
3.2.2.1.1 – Position
3.2.2.1.2 – Turn Heading
3.2.2.1.3 – Altitude to intercept at
3.2.2.1.4 – Clear the approach
3.2.2.2 – Intercept Altitudes
3.2.2 – GPS Approaches

3.3 – Instrument Approaches (Non Precision)
3.3.1 – Localizer Approaches
3.3.2 – VOR Approaches
3.3.3 – LDA Approaches
3.3.4 – GPS (Non Vertical Nav)
3.4 – Visual Approaches
3.5 – Circling Approaches
3.6 – Missed Approach Procedures
3.7 – Uncontrolled Field Arrivals
3.7.1 – One aircraft in a uncontrolled at a time.
3.7.2 – IFR cancellations

Section 4 – Departure Fundamentals

4.1 – Discuss SID's
4.1.1 – Pilot NAV
4.1.2 – RNAV
4.1.3 – Radar Vectored Departure
4.2 – Uncontrolled Field Departures
4.2.1 – Clearances
4.2.2 – Hold For Release
4.2.3 – Clearance Void times
4.3 – Coordination
4.3.1 – Direct Intersections
4.3.2 – Rolling Calls
4.3.3 – Departure Releases
4.4 – Vectors for climb

OTS
Sweatbox Competency Demonstrated
HCF Basic Approach Test
Take the S3 Test

Section 5 – HCF Approach Maui Sector

5.1 – Review the SOP
5.1.1 – STAR's
5.1.2 – SID's
5.1.3 -
5.2 – Discuss the Traffic Flows
5.3 – VFR Traffic

5.4 – Sectors

5.5 – Class Charlie Transitions
5.6 – Airspace Discussion
5.7 – Charted Visual Approaches
5.8 – Coordination with Tower

OTS
Sweatbox Competency Demonstrated
HCF Approach Maui Test

Section 6 – HCF Approach Honolulu Sector

6.1 – Review SOP
6.1.1 – STAR's
6.1.2 – SID's
6.1.3 Inter-Island
6.2 – Discuss the traffic flows
6.2.1 – Runway Configurations
6.2.2 – Vectoring flows per runway plan
6.3 – Satellite Airports
6.4 – Sectors
6.5 – Class Bravo Transitions
6.6 – Airspace Discussion
6.7 – Agreements with NGF TRACON
6.8 – Coordination with Tower

OTS
Sweatbox Competency Demonstrated
HCF Approach Honolulu Test

Section 7 – HCF Approach Hilo Sector

7.1 – Review the SOP
7.1.1 – STAR's
7.1.2 – SID's
7.2 – Discuss the Traffic Flows
5.3 – VFR Traffic

7.4 – Sectors
7.5 – Class Delta Transitions
7.6 – Airspace Discussion
7.7 – Charted Visual Approaches
7.8 – Coordination with Tower

OTS
Sweatbox Competency Demonstrated
ITO Approach Test