

AD 2. AERODROME

TNCE AD 2.1 AERODROME LOCATION INDICATOR AND NAME

TNCE - F.D. ROOSEVELT AIRPORT

TNCE AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	<i>ARP coordinates and site at AD</i>	Lat : 172947.460N Long : 0625846.190W Site : RWY midpoint
2	<i>Direction and distance from (city)</i>	032° magnetic (018° true) - 1 NM from Oranjestad
3	<i>Elevation/Reference Temperature</i>	40M (131FT) / 31.0 °C
4	<i>Geoid undulation at AD ELEV PSN</i>	42M (137FT)
5	<i>MAG VAR/Annual change</i>	14°W (2020)/ 3°00'W
6	<i>AD Administration, address, telephone,telefax, telex, AFS</i>	AD Administration: Executive Council of the Island of St. Eustatius Postal address: Airport Manager F.D. Roosevelt Airport Concordia St. Eustatius, Dutch Caribbean Tel: (+599) 318-2887 Telefax: (+599) 318-2887 or 318-2914
7	<i>Types of traffic permitted (IFR/VFR)</i>	IFR/VFR
8	<i>Remarks</i>	Reference Temperature: JUN - OCT. Aerodrome operates under VMC only.

TNCE AD 2.3 OPERATIONAL HOURS

1	<i>AD Administration</i>	1100 to 2100 UTC
2	<i>Customs and Immigration</i>	AD OPR HRS
3	<i>Health and Sanitation</i>	NA
4	<i>AIS Briefing Office</i>	NA
5	<i>ATS Reporting Office (ARO)</i>	Competent ATS unit: ARO TNCM
6	<i>MET Briefing Office</i>	H24
7	<i>ATS</i>	1100 to 0100 UTC in VMC only
8	<i>Fuelling</i>	AD OPR HRS
9	<i>Handling</i>	AD OPR HRS
10	<i>Security</i>	1030 to 0000 UTC
11	<i>De-icing</i>	NA
12	<i>Remarks</i>	

TNCE AD 2.4 HANDLING SERVICES AND FACILITIES

1	<i>Cargo-handling facilities</i>	AVBL
2	<i>Fuel/Oil types</i>	Jet fuel; Also AVGAS 100 LL Fuel AVB, Daily BTN 1100 - 2130UTC.
3	<i>Fuelling facilities/capacity</i>	Fuel truck
4	<i>De-icing facilities</i>	NIL
5	<i>Hangar Space for visiting aircraft</i>	NIL
6	<i>Repair facilities for visiting aircraft</i>	Light aircraft only
7	<i>Remarks</i>	

TNCE AD 2.5 PASSENGER FACILITIES

1	<i>Hotels</i>	Available in Oranjestad
2	<i>Restaurants</i>	Available in Oranjestad
3	<i>Transportation</i>	Taxis and rental cars
4	<i>Medical facilities</i>	First aid treatment hospital in Oranjestad
5	<i>Bank and Post Office</i>	Available in Oranjestad
6	<i>Tourist Office</i>	Available in Oranjestad
7	<i>Remarks</i>	

TNCE AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	<i>AD Category for fire fighting</i>	CAT 5
2	<i>Rescue equipment</i>	1 rapid intervention vehicle at the airport, 1 crash tender, 1 city truck
3	<i>Capability for removal of disabled aircraft</i>	Crane on request
4	<i>Remarks</i>	

TNCE AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	<i>Types of clearing equipment</i>	NIL
2	<i>Clearance priorities</i>	NIL
3	<i>Remarks</i>	NIL

TNCE AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	<i>Apron surface and strength</i>	APRON : Type of surface: ASPH
2	<i>Taxiway width, surface and strength</i>	TWY Width: 15 M Type of surface: ASPH Strength: PCN 15/F/B/W/T.
3	<i>Altimeter checkpoint location and elevation</i>	Apron; 124 ft AMSL.
4	<i>VOR Checkpoints</i>	NIL
5	<i>INS Checkpoints</i>	NIL
6	<i>Remarks</i>	

TNCE AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	<i>Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands</i>	Taxiway guide lines
2	<i>RWY and TWY markings and LGT</i>	Runway and Taxiway markings and lights
3	<i>Stop bars</i>	NIL
4	<i>Remarks</i>	

TNCE AD 2.10 AERODROME OBSTACLES

<i>In approach/TKOF areas</i>			<i>In circling area and at AD</i>		<i>Remarks</i>
<i>1</i>			<i>2</i>		<i>3</i>
RWY NR/ Area affected	Obstacle type/ Elevation Markings/LGT	Coordinates	Obstacle type/ Elevation Markings/LGT	Coordinates	Nil
<i>a</i>	<i>b</i>	<i>c</i>	<i>a</i>	<i>b</i>	
06	Red hazard light 343 ft	17 29 22.56N 062 59 44.35W	Terrain 950 ft	17 31 15.00N 062 59 50.00W	
	Red hazard light 721 ft	17 29 40.74N 062 59 21.97W			
	Red hazard light 329 ft	17 30 02.94N 062 59 00.35W			
	Terrain 1978 ft	17 29 00.00N 062 57 40.00W			
	Antenna 931 ft	17 28 44.77N 062 58 13.33W			
	Antenna 351 ft	17 28 50.46N 062 58 47.35W			
	Antenna 236 ft	17 29 01.79N 062 59 13.05W			
	Terrain 512 ft	17 29 05.38N 062 58 26.30W			
	Terrain 767 ft	17 29 43.73N 062 59 24.82W			

TNCE AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	<i>Associated MET Office</i>	De Bilt, Royal Netherlands Meteorological Institute (KNMI)
2	<i>Hours of service</i> <i>MET Office outside hours</i>	H24
3	<i>Office responsible for TAF preparation</i> <i>Periods of validity</i>	NIL
4	<i>Type of landing forecast</i> <i>Interval of issuance</i>	NA
5	<i>Briefing / consultation provided</i>	Briefing and consultation on request by telephone from Mo De Bult (see #10).
6	<i>Flight documentation</i> <i>Language(s) used</i>	English
7	<i>Charts and other information available for briefing or consultatio</i>	P,W
8	<i>Supplementary equipment available for providing information</i>	NA

9	<i>ATS units provided with information</i>	Roosevelt AFIS, Juliana ATS
10	<i>Additional information (limitation of service, etc.)</i>	<p>A General Aviation Forecast (GAF) is available on the website www.meteosxm.com under aviation</p> <p>Briefing and consultation at KNMI Telephone: +31 30 2210853 Website www.knmidc.org</p> <p>Meteorological antenna with two obstruction red lights is located 350 meters eastward from runway threshold 06, and 125 meters north from runway centerline.</p>

TNCE AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

<i>Designations RWY NR</i>	<i>TRUE BRG</i>	<i>Dimension of RWY (M)</i>	<i>Strength(PCN) and surface of RWY and SWY</i>	<i>THR coordinates RWY end coordinates THR geoid undulation</i>	<i>THR elevation and highest elevation of TDZ of precision APP RWY</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
RWY 06	50°	1199 x 30	21/F/A/X/T ASPH	172933.96N 0625903.20W	THR 40 m (131 ft)
RWY 24	230°	1199 x 30	21/F/A/X/T ASPH	172958.75N 0625831.95W	THR 30 m (100 ft)

<i>Slope of RWY-SWY</i>	<i>SWY Dimensions (M)</i>	<i>CWY Dimensions (M)</i>	<i>Strip Dimension (M)</i>	<i>OFZ</i>	<i>Remarks</i>
<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>
NIL	NIL	NIL	1319 x 150	NIL	NIL
NIL	NIL	NIL	1319 x 150	NIL	NIL

TNCE AD 2.13 DECLARED DISTANCES

<i>RWY designator</i>	<i>TORA (M)</i>	<i>TODA (M)</i>	<i>ASDA (M)</i>	<i>LDA (M)</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
RWY 06	1199	1199	1199	1199	NIL
RWY 24	1199	1199	1199	1199	NIL

TNCE AD 2.14 APPROACH AND RUNWAY LIGHTING

<i>RWY designator</i>	<i>APCH LGT Type LEN INTST</i>	<i>THR LGT Colour WBAR</i>	<i>VASIS (MEHT)P API</i>	<i>TDZ LGT, LEN</i>	<i>RWY Centre line LGT, Length, spacing, colour; INTST</i>	<i>RWY edge LGT LEN, spacing colour INTST</i>	<i>RWY End LGT colour WBAR</i>	<i>SWY LGT LEN (M) colour</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
RWY 06	SALS	GREEN	PAPI	NIL	NIL	60 m WHITE	RED	NIL	NIL
RWY 24	NIL	GREEN	NIL	NIL	NIL	60 m WHITE	RED	NIL	NIL

TNCE AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	<i>ABN/IBN location, characteristics and hours of operation</i>	ABN: Aerodrome Beacon located on top of AFIS, signal lights colours are White and Green. Operational hours of Beacon: From sunset until the last schedule flight which is about 23.30 - 00.00 UTC and during poor visibility.
2	<i>LDI location and LGT Anemometer location and LGT</i>	LDI: NA NA
3	<i>TWY edge and centreline lighting</i>	Edge: TWY edge lights, Blue
4	<i>Secondary power supply/switch-over time</i>	Secondary power supply AVBL, automatic switch over <2 sec.
5	<i>Remarks</i>	NIL

TNCE AD 2.16 HELICOPTER LANDING AREA

1	<i>Coordinates TLOF or THR of FATO Geoid undulation</i>	N/A
2	<i>TLOF and/or FATO elevation M/FT</i>	N/A
3	<i>TLOF and FATO area dimensions, surface, strength, marking</i>	N/A
4	<i>True BRG of FATO</i>	N/A
5	<i>Declared distances available</i>	N/A
6	<i>APP and FATO lighting</i>	N/A
7	<i>Remarks</i>	N/A

TNCE AD 2.17 ATS AIRSPACE

1	<i>Designator and lateral limits</i>	Roosevelt ATZ Circle with radius 5 NM from ARP
2	<i>Vertical limits</i>	GND / 2600 FT
3	<i>Airspace classification</i>	G
4	<i>ATS unit callsign Language(s)</i>	Roosevelt Information English
5	<i>Transition altitude</i>	5000 FT
6	<i>Remarks</i>	

TNCE AD 2.18 ATS COMMUNICATION FACILITIES

<i>Service designation</i>	<i>Call sign</i>	<i>Frequency</i>	<i>Hours of Operation</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
AFIS	Roosevelt Information	118.100 MHZ	1100-2400 UTC in VMC only	NIL
		121.500 MHZ	1100-2400 UTC	Emergency frequency

TNCE AD 2.19 RADIO NAVIGATION AND LANDING AIDS

<i>Type of aid, MAG VAR, CAT of ILS/MLS, Classification of ILS (For VOR/ILS/MLS, give declination)</i>	<i>ID</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Position of transmitting antenna coordinates</i>	<i>Elevation of DME transmitting antenna</i>	<i>Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>

TNCE AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Area of responsibility

The area of responsibility of Aerodrome Flight Information Service within the Roosevelt Aerodrome Traffic Zone (ATZ) comprises the ATZ established around the aerodrome as well as the maneuvering area. For lateral and vertical limits of the ATZ, see section TNCE AD 2.17.

2. Flight Planning

A flight plan shall be submitted for any flight intended to be operated within Roosevelt Aerodrome Traffic Zone at least 30 minutes in advance of the Estimated Time of Departure (ETD) for VFR flights and 1 hour prior to the ETD for IFR flights. The flight plan shall be in accordance with ICAO Doc 4444, appendix 2 Flight Plan.

3. Communication

Two-way radio communication is required within the ATZ, exceptions to this requirement may be permitted with the approval of the appropriate authority.
All departing aircraft shall contact Juliana Approach as soon as possible after takeoff and before encountering IMC.

4. Duties and functions of the AFIS unit

- a) provides the aircraft operating within the area of responsibility traffic information and other essential information (meteorological information, aerodrome conditions, etc.)
- b) monitors the functionality of the facilities serving the aerodrome,
- c) relays air traffic control clearances and route information issued by ATC units,
- d) suggests runway for take-off and landing,
- e) provides aircraft parking instructions if necessary,
- f) controls vehicle traffic,
- g) provides alerting service.

5. Route clearances and route information

The AFIS unit requests Juliana Tower or approach control for a route clearance / route information to be forwarded to the aircraft in the following cases:

- a) Route clearance: for IFR aircraft flying from the ATZ into the controlled airspace.
- b) Route information: IFR flight from the ATZ into the uncontrolled airspace (airspace class G).

6. Preferred runway

The term 'preferred runway' indicates the runway that at the time is considered by the AFIS unit to be the most suitable for the aircraft performing take-off or landing. The preferred runway is selected considering among others the following: the surface wind, traffic circuits, local weather conditions and environmental restrictions.

The pilot-in-command may use, traffic situation and prevailing circumstances permitting, other than the preferred runway after reporting this to the AFIS unit.

7. Light signals

When an aircraft aloft cannot be informed about a danger by any other means, the AFIS unit may use the following light signals for the purpose:

- a) Red flashes (by lamp) - the aerodrome is dangerous.
- b) Red pyrotechnics - landing is not safe until further notice.

The light signals issued by the AFIS unit must be considered as warnings; the pilot bears the responsibility for any action due to the situation.

8. Helicopter operations

Helicopters are permitted to operate for medical emergencies with prior approval from the aerodrome operator.

A request for approval shall contain the following:

- a) Owner/ operator
- b) Type of helicopter, registration/ call sign
- c) Date, arrival time/ departure date and time and destination.
- d) Any other requested information relevant to the planned operation.

9. Aircraft on the maneuvering area

All aircraft, that operate on the maneuvering area of the aerodrome, with or without the intention to land or take off, shall report its intentions to the AFIS unit.

10. Parking

1. Parking area for small aircraft (General aviation)

General aviation aircraft shall be guided to the parking area by the AFISO.

2. Parking area for helicopters

The parking area for helicopters is on the apron.

11. Ground to ground Communication failure

In the event of ground communication failure, Juliana APP shall instruct aircraft en-route to relay flight details to Roosevelt Information as soon as practicable.

TNCE AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

TNCE AD 2.22 FLIGHT PROCEDURES

1. Departing Aircraft

Departing aircraft shall report to the AFIS unit:

- a) Intention to taxi for take-off. Turbine aircraft shall also report their readiness to start-up
- b) Selection of the runway; selection of a possible taxi holding position.
- c) Readiness for take-off.
- d) Taxiing to the runway for take-off.
- e) Leaving the ATZ.
- f) Any action or intention which may affect other traffic

2. Start-up

When a departing IFR aircraft requests startup clearance, the AFIS unit:

- a) Reports, that no start-up restrictions exist, or
- b) reports factors (other traffic, aerodrome conditions, Air Traffic Flow Control Measures (ATFCM) or restrictions which may be influential in start-up, after which the pilot-in-command starts-up at his / her own discretion.

3. Holding before take-off

When, due to other traffic, an immediate take-off is not possible, a departing aircraft shall hold in a manner that does not impede other traffic's access to the apron.

4. Take off

In general, take-offs are performed in the order which the aircraft have reported being ready. This order may, however, be altered if required by traffic situation or by mutual agreement of the pilots.

Before take-off the 'runway free' report shall be obtained from the AFIS unit.

5. Arriving aircraft

An arriving aircraft shall report to the AFIS unit:

a) Its position, flying altitude and the estimated time of arrival to the aerodrome. This information must be given, at the latest, when arriving over the border of the ATZ or over a reporting point given in the approach chart.

Initial contact should be established 5 minutes prior to crossing the lateral or vertical limits of the ATZ. This is essential in cases where the FPL for operating within the ATZ is submitted in flight. Before landing the 'runway free' report shall be obtained from the AFIS unit.

b) Taxiing to the apron or parking area after the landing.

c) Missed approach and the intentions following

d) Any other action or intention, that may affect other air traffic.

Instrument approach and holding procedures are in accordance with ICAO Document 8186 (PANS-OPS)

6. Aircraft transiting the ATZ

Any other aircraft entering the ATZ and not intending to land at the aerodrome, shall report to the AFIS unit 5 minutes prior to crossing the lateral or vertical limit of the ATZ about:

a) Position and flying altitude

b) Route, intentions and possible changes in altitude

c) Estimated time of entering the ATZ, or over the aerodrome, actual over flying time and time of leaving the ATZ.

TNCE AD 2.23 ADDITIONAL INFORMATION

NIL

TNCE AD 2.24 CHARTS RELATED TO THE AERODROME

TNCE AD 2.25 Visual Segment Surface (VSS)

Procedure	Procedure Minima	VSS Penetration
1	2	3