

Letter of Agreement

by and between San Juan Combined Enroute Radar Approach Control (ZSU CERAP) and San Juan airport Control Tower (ATCT)

1. SCOPE

This agreement is made by and between San Juan Combined Radar Approach Control (herein ZSU), and San Juan Airport Control Tower (herein SJU) for all San Juan CERAP personnel.

2. PURPOSE

This Letter of Agreement establishes a set of agreed upon Air Traffic Control procedures between ZSU and SJU, and defines the limitations and coordination expectations of both ATC facilities.

3. CANCELLATION

This agreement cancels all prior agreements between ZSU and SJU.

4. GENERAL PROCEDURES AND RESPONSIBILITIES

- A. SJU designates the runway(s) in use and ZSU select the approaches in use.
- B. ZSU must coordinate arrival information with FDB scratchpad entries depicted in Annex 1.
- C. Transfer of control must take place at the lateral limits on SJU airspace.
- D. Transfer of communications must be accomplished prior to a 5 mile final or prior to Plaza Carolina for arrivals from the East that will turn base within the western boundary of the Class C.
- E. ZSU and SJU must use VFR routes depicted in Annex 2.
- F. ZSU and SJU may substitute "HEL" in the aircraft type when the aircraft is a helicopter.
- G. Coordination must be accomplished via the SJU Teamspeak.
- H. ZSU and SJU must complete a radar handoff for all aircraft transitioning the SJU Class (Minimum S3)

5. RESPONSIBILITY FOR SJU TOWER

- A. SJU is authorized control of class C at or below 2000' MSL, within the area depicted in Annex 3.
- B. SJU is authorized to provide separation within class C surface area.
- C. SJU is authorized to issue visual approach clearances within class C surface area.
- D. SJU must use beacon codes 0201 - 0276 for VFR operations within San Juan Class C airspace.
- E. Issue a full route clearance to aircraft:
 - a. Routed East of 60 degrees West longitude.
 - b. That has FRC on flight strip.

- c. Must coordinate all VFR that request flight following.
- F. Coordinate departures that cannot accept Preferred Departure Routes.
- G. Assign all departures an initial altitude of 5000' or lower if requested.
- H. Assign departure aircraft initial heading and frequencies depicted in Annex 4.
- I. Ensure minimum 5 mile separation on successive departures with the same heading.
- J. Assign aircraft on the go around:
 - a. East Operation:
 - i. Props and turbo props: heading 330, altitude 3000'
 - ii. Jets: heading 350, altitude 3000'
 - b. West Operation:
 - i. Heading 280 and altitude 3000'

6. RESPONSIBILITY FOR ZSU CERAP

- A. ZSU assumes responsibility above 2000' MSL, within the area depicted in Annex 1.
- B. ZSU is responsible for the sequencing and separation of all IFR and Class C arrivals.
- C. ZSU must coordinate arrival information with FDB scratchpad entries depicted in Annex 2.
- D. Must verbally coordinate aircraft conducting multiple instrument approaches and coordinate successive approaches via scratchpad.
- E. Advise SJU of the last arrival aircraft before the change of runways and the first arrival after.

Scratchpad entries

Entry	Meaning	Entry	Meaning
V08	Visual Approach Runway 8	I08	ILS Approach runway 8
V10	Visual Approach Runway 10	I10	ILS Approach runway 10
V26	Visual Approach Runway 26	VR8	VOR Approach runway 8
RN8	RNAV Approach Runway 8	VR1	VOR Approach runway 10
RN6	RNAV Approach Runway 26	ND8	NDB Approach runway 8
RN1	RNAV Approach Runway 10	R8	Runway assigned runway 8
OV1	Overhead Approach Runway 10	R10	Aircraft assigned runway 10
OV8	Overhead Approach Runway 8	R26	Aircraft assigned runway 26
LAG	Lagoon Visual Runway 8	R28	Aircraft assigned runway 28
TGO	Tango Transition	BRG	Bridge Visual Approach Runway 10
RIV	River Transition	TGW	Tango Transition to the west
LOS	Low Offshore Transition	PLZ	Plaza Transition

CLASS C TRANSITIONS / VFR ROUTES

RIVER TRANSITION

- VFR aircraft west of the Isla Grande Airport (SIG) — Maintain 1,500 feet and fly eastbound north of the shoreline until abeam (north) of the Condado Plaza Hotel, thence:
- VFR aircraft departing Runway 9 at SIG — Climb to 1,500 feet via heading 070 until crossing the shoreline, thence:
- VFR aircraft departing Runway 27 at SIG — Climb to 1,500 feet via a right downwind departure until north of the Condado Plaza Hotel, thence:

Proceed directly overhead LMM ATCT. From overhead the Tower, proceed between Runways 8 and 10 on a heading of 095.

TANGO TRANSITION

- VFR aircraft flying westbound or landing SIG from the east will proceed to Plaza Carolina. Cross Plaza Carolina at 2,000 feet. From over the Plaza Carolina, direct to the LMM ATCT.
- After departing the ATCT, these aircraft will fly 330 until reaching the reef (approximately 2 NM offshore). Radar service will be terminated for aircraft landing SIG (TGO).
- Those aircraft continuing westbound (TGW) will be handed-off to ZSU West Control.

PLAZA TRANSITION

- VFR aircraft west of SIG — Maintain 1,500 feet and fly eastbound INM north of the shoreline until abeam (north) of the Condado Plaza Hotel, thence:
- VFR aircraft departing Runway 9 at SIG — Climb to 1,500 feet via heading of 070 until crossing the shoreline, thence:
- VFR aircraft departing Runway 27 at SIG — Climb to 1,500 feet via a right downwind departure until north of the Condado Plaza Hotel, thence:

Proceed directly overhead SJU. From overhead the Tower direct to Plaza Carolina Mall. Overhead Plaza Carolina Mall proceed eastbound heading 095.

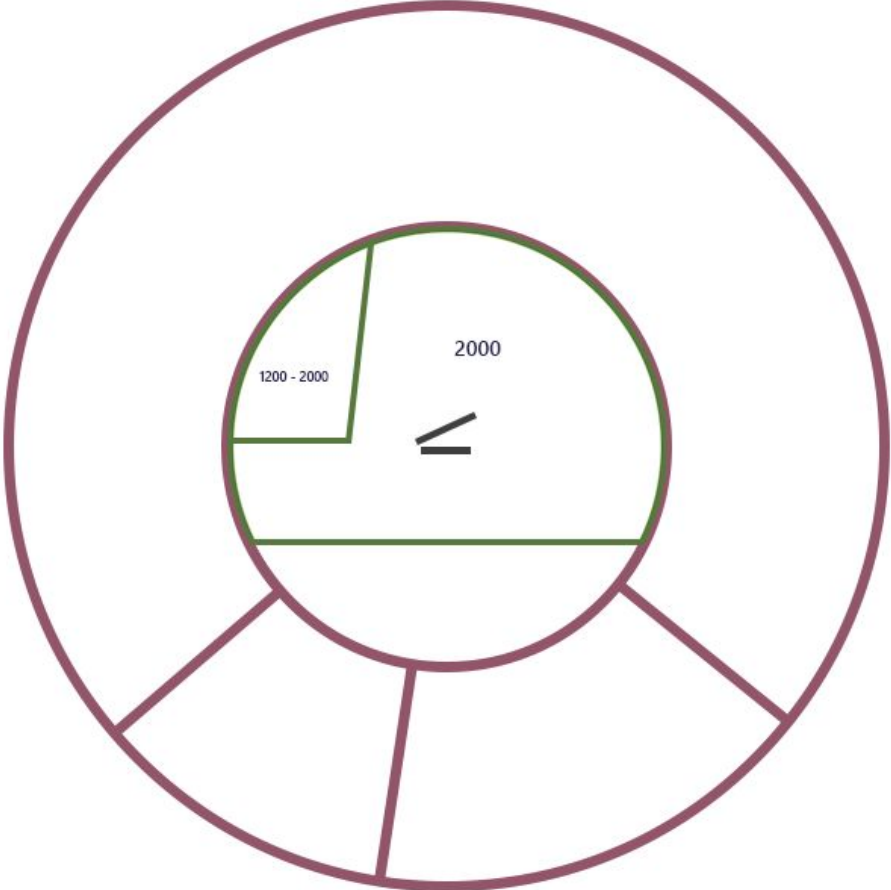
LOW OFFSHORE TRANSITION

- VFR aircraft flying westbound or landing SIG Airport will cross the Loiza River mouth at or below 500 hundred feet and fly along the shoreline, thence

If landing SIG, radar services will be terminated prior to SIG airspace.

This VFR Transition is NOT to be used for aircraft landing at the LMM Airport.

SJU Control Area (AREA WITHIN GREEN BOUNDARY)



FOR SIMULATION USE ONLY ON THE VATSIM NETWORK. DO NOT USE FOR REAL WORLD PROCEDURES

Standard departures headings and frequencies

TRAFFIC FLOW	INITIAL ROUTING (Clockwise)	AIRCRAFT TYPE	HEADING	FREQUENCY
EAST	SJU180 -> SJU340	Turbojet	340	119.4
		Others	330	
	SJU341 -> SJU020	Turbojet	020	120.9
		Others	040	
	SJU021 -> SJU179	Turbojet	060	
		Others SPD 210KTS+	075	
Others SPD 210KTS-		095		
WEST	SJU180 -> SJU050	Turbojet	280	
		Others	260	
	SJU051 -> SJU179	Turbojet	280	120.9
		Others SPD 210KTS+	210	119.4
		Others SPD 210KTS-	180	