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AERONÁUTICA CIVIL
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AIP SUP 20/2024

SKBO - EL DORADO

1 Salida normalizada por instrumentos TOBKI 4R, OSUSU 4R RWY 14L/R – 32L/R, TOBKI 1S RWY 14L/R

- Procedimiento TOBKI 1S creado
- Tabla de codificación salida normalizada por instrumentos TOBKI 4R, OSUSU 4R RWY 14L/R – 32L/R, TOBKI 1S RWY 14L/R actualizada

1 Standard instrument departure TOBKI 4R, OSUSU 4R RWY 14L/R – 32L/R, TOBKI 1S RWY 14L/R

- Procedure TOBKI 1S created
- Tabular description Standard instrument departure TOBKI 4R, OSUSU 4R RWY 14L/R – 32L/R, TOBKI 1S RWY 14L/R updated

REF. AIP SKBO AD 2.24

BOGOTÁ / EL DORADO
SKBO / SID RNAV RWY 14L/14R/32L/32R

PATH TERM	WAYPOINT NAME	FB FO	ORIENTATION M° (T°)	DISTANCE BETWEEN POINTS (NM)	TURNING DIRECTION	ALTITUDE + / AT / - / B	SPEED LIMIT (KT)	TRANSITION IDENTIFIER	RWY DIRECTION		
OSUSU 4R (TRANSICIONES AKROB, GIKPU, KOVBU)											
CA	X	X	135° (126.8°)	X	X	8900 +	205	RW14R	14R		
CF	BO907	FB	027° (018.68°)	X	X	11800 +	205				
TF	GUXUN	FB	027° (018.68°)	4	X	12500 +	X				
TF	ZIP	FB	027° (018.68°)	10.7	X	13000/17000 B	X				
TF	OSUSU	FB	022° (014.1°)	14.6	X	15000/17000 B	X				
CA	X	X	135° (126.8°)	X	X	8900 +	205	RW14L	14L		
CF	BO907	FB	027° (018.68°)	X	X	11800 +	205				
TF	GUXUN	FB	027° (018.68°)	4	X	12500 +	X				
TF	ZIP	FB	027° (018.68°)	10.7	X	13000/17000 B	X				
TF	OSUSU	FB	022° (014.1°)	14.6	X	15000/17000 B	X				
CF	ISESA	FO	315° (307.0°)	X	X	9100+	205	RW32L	32L		
DF	BO504	FB	X	X	R	12000 +	X				
TF	ZIP	FB	053° (044.8°)	12.0	X	13000/17000 B	X				
TF	OSUSU	FB	022° (014.1°)	14.6	X	15000/17000 B	X				
CF	TILBU	FO	315° (307.1°)	X	X	9100 +	230				
DF	BO504	FB	X	X	R	12000 +	X	RW32R	32R		
TF	ZIP	FB	053° (044.8°)	12.0	X	13000/17000 B	X				
TF	OSUSU	FB	022° (014.1°)	14.6	X	15000/17000 B	X				
IF	OSUSU	FB	X	X	X	15000/17000 B	X				
TF	AKROB	FB	084° (076.0°)	30.9	X	15000+	X				
IF	OSUSU	FB	X	X	X	15000/17000 B	X	GIKPU	X		
TF	BUV	FB	022° (014.0°)	17.0	X	15000/FL210 B	X				
TF	GIKPU	FB	020° (011.7°)	30.0	X	15000+	X				
IF	OSUSU	FB	X	X	X	15000/17000 B	X	KOVBU	X		
TF	BUV	FB	022° (014.0°)	17.0	X	15000/FL210 B	X				
TF	KOVBU	FB	038° (029.5°)	30.0	X	15000+	X				
TOBKI 4R											
CF	ISESA	FO	315° (307.0°)	X	X	9100+	X	RW32L	32L		
DF	BO509	FB	X	X	L	X	X				
TF	BO549	FB	267° (258.7°)	6.4	X	12000 AT	X				
TF	BO505	FB	267° (258.7°)	4.5	X	13000/14000 B	X				
TF	BO537	FB	263° (255.0°)	12.0	X	18000 +	X				
TF	BO548	FB	356° (347.7°)	5.5	X	FL190 +	X				
TF	BO450	FB	356° (347.7°)	5.7	X	FL190 +	X				
TF	TOBKI	FB	330° (321.8°)	7.4	X	FL190 +	X				
CF	BO503	FB	315° (307.0°)	X	X	9600 +	X				
TF	BO549	FB	267° (258.7°)	9.4	X	12000AT	X	RW32R	32R		
TF	BO505	FB	267° (258.7°)	4.5	X	13000/14000 B	X				
TF	BO537	FB	263° (255.0°)	12.0	X	18000 +	X				
TF	BO548	FB	356° (347.7°)	5.5	X	FL190 +	X				
TF	BO450	FB	356° (347.7°)	5.7	X	FL190 +	X				
TF	TOBKI	FB	330° (321.8°)	7.4	X	FL190 +	X				
CA	X	X	135° (126.8°)	X	X	8900 +	205			RW14R	14R
DF	BO908	FB	X	X	X	11000 +	205				
TF	SOA	FB	267° (259.01°)	4	X	12000/17000 B	X				
TF	BO426	FB	275° (266.9°)	8.0	X	14000+	X				
TF	BO428	FB	316° (308.1°)	14.8	X	FL190 +	X				
TF	BO450	FB	331° (323.4°)	7.1	X	FL190 +	X				
TF	TOBKI	FB	330° (321.8°)	7.4	X	FL190 +	X				
IF	TOBKI	FB	330° (321.8°)	X	X	FL190 +	X				
TF	VASIL	FB	304° (295.9°)	29.2	X	FL190 +	X	VASIL	VASIL		
TOBKI 1S											
CA	X	X	135° (126.8°)	X	X	8900 +	205	RW14R	14R		
DF	BO908	FB	X	X	R	11000 +	205				
TF	SOA	FB	267° (259.01°)	4	X	12000/17000 B	X				
TF	BO426	FB	275° (266.9°)	8.0	X	14000+	X				
TF	BO537	FB	294° (285.94°)	13.6	X	18000+	X				
TF	BO548	FB	356° (347.7°)	5.5	X	FL190 +	X				
TF	BO450	FB	356° (347.7°)	5.7	X	FL190 +	X				
TF	TOBKI	FB	330° (321.8°)	7.4	X	FL190 +	X				
IF	TOBKI	FB	330° (321.8°)	X	X	FL190 +	X				
CA	X	X	135° (126.8°)	X	X	8900 +	205	RW14L	14L		
DF	BO908	FB	X	X	R	11000 +	205				
TF	SOA	FB	267° (259.01°)	4	X	12000/17000 B	X				
TF	BO426	FB	275° (266.9°)	8.0	X	14000+	X				
TF	BO537	FB	294° (285.94°)	13.6	X	18000+	X				
TF	BO548	FB	356° (347.7°)	5.5	X	FL190 +	X				
TF	BO450	FB	356° (347.7°)	5.7	X	FL190 +	X				
TF	TOBKI	FB	330° (321.8°)	7.4	X	FL190 +	X				
IF	TOBKI	FB	330° (321.8°)	X	X	FL190 +	X				
TF	VASIL	FB	304° (295.9°)	29.2	X	FL250 +	X	VASIL	VASIL		

GRUPO DISEÑO PROCEDIMIENTOS DE VUELO - 0310/24

NOTA: * PARA COORDENADAS DE WPT, VER CUADRO COORDENADAS PROCEDIMIENTOS PBN SKBO

RWY	TURN DIR	INSTRUCTIONS	SPEED REST. FIRST TURN
RW14L	Left	Climb on course 135°MT until 8900 FT, then course 027° to BO907. Maintain MCG 7.8% until 8900 FT, then 5.3% until GUXUN.	205 KIAS
RW14L	Right	Climb on course 135°MT until 8900 FT, then direct to BO908. Maintain MCG 7.8% until 8900 FT, then 4.5% until SOA.	185 KIAS
RW14R	Left	Climb on course 135°MT until 8900 FT, then course 027° to BO907. Maintain MCG 7.8% until 8900 FT, then 5.3% until GUXUN.	205 KIAS
RW14R	Right	Climb on course 135°MT until 8900 FT, then direct to BO908. Maintain MCG 7.8% until 8900 FT, then 4.5% until SOA.	205 KIAS
All	All	Do not turn before DER.	-
RWY	TURN DIR	INSTRUCTIONS	SPEED REST. FIRST TURN
RW32L	Left	Climb on course 315° MT until ISESA and 9100FT, then direct to BO509. Maintain MCG 8.0% until ISESA then 4.5% until BO549.	None
RW32L	Right	Climb on course 315° MT until ISESA and 9100FT, then direct to BO504. Maintain MCG 8.0% until ISESA then 4.6% until BO504.	230 KIAS
RW32R	Left	Climb on course 315° MT until BO503, then turn left to BO549. Maintain MCG 4.5% until BO549.	None
RW32R	Right	Climb on course 315° until TILBU and 9100FT, then direct to BO504. Maintain MCG 7.1% until TILBU, then 4.8% until BO504.	230 KIAS
All	All	Do not turn before DER.	-

Disregarded obstacles for Minimum Climb Gradient (MCG)

RWY	Turn Dir.	Obst. ID	Altitude (M)	Altitude (FT)	Type	Latitude N	Longitude W	Height above DER (M)
RW 14R	Left / Right	BO9013	2559,42	8396,95	Tree	04° 41'08,30" N	074° 08' 04,25" W	12.5
		BO9014	2559,42	8396,95	Tree	04° 41'07,04" N	074° 08' 05,18" W	12.5
		BO9016	2558,98	8395,50	Tree	04° 41'03,23" N	074° 08' 07,96" W	12.0
		BO9017	2558,99	8395,53	Tree	04° 41'01,89" N	074° 08' 09,42" W	12.0
		BO9018	2570,1	8431,98	Tree	04° 41'08,40" N	074° 08' 20,59" W	23.2
		BO9019	2568,9	8428,05	Tree	04° 41'05,82" N	074° 08' 17,05" W	22.0
RW 32L	Left / Right	BO9020	2570,2	8432,31	Tree	04° 41'12,08" N	074° 08' 25,01" W	23.3
		BO9089	2555,47	8383,99	Tree	04° 42'53,42" N	074° 10' 21,01" W	9.8
		BO9090	2563,09	8408,99	Tree	04° 43'00,98" N	074° 10' 37,64" W	17.4
		BO9091	2560,96	8402,00	Tree	04° 42'53,14" N	074° 10' 32,90" W	15.2
		BO9092	2562,79	8408,00	Tree	04° 42'50,49" N	074° 10' 31,02" W	17.1
		BO9093	2554,86	8381,98	Tree	04° 42'51,71" N	074° 10' 22,52" W	9.1