JEPPESEN LANGEBAANWEG, S AFR REP FALW/SDB LANGEBAANWEG 24 SEP 10 Trans alt: 5000' Alt Set: hPa Trans level: By ATC Apt Elev \*ATIS 1. If unable to comply with STAR advise ATC. 117.0 108' 2. SIDs and STARs must be announced in operation on ATIS. 3. STARs only available when Surveillance Radar is in operation. 4. STARs include minimum noise routings. BERGRIVER 2A [BERG2A] 2400' 5000 BERGRIVER 2B [BERG2B] 300 RWYS 20L, 02R ARRIVALS 3100' MSA LWV VOR D15 LWV <- 300° S32 49.8 E018 24.0 BERGRIVER 2A 108.9 LWI LANGEBAANWEG 117.0 LWV S32 59.0 E018 09.8 NOT TO SCALE UNLICENCED MILITARY AERODROME TO BE USED IN EMERGENCY ONLY. ▼ LOST COMMS ▼ **BERGRIVER 2A** Before D15 LWV: Maintain last assigned FL/altitude, commence ILS/VORDME Rwy 20L approach at ETA +10 minutes for landing. After D15 LWV: Maintain last assigned altitude and continue with STAR. When passing LWV R-035 turn LEFT, 230° track, complete ILS/VORDME Rwy 20L approach and land. **BERGRIVER 2B** Before D15 LWV: Maintain last assigned FL/altitude to LWV, commence VORDME Rwy 02R approach at ETA +10 minutes for landing. After D15 LWV: Turn LEFT, 200° track, climbing to LWV at 5000', commence VORDME Rwy 02R approach at ETA +10 minutes for landing. A CIT WWDC A CT WWDC ACT WWDC C WWDC CT WWDC STAR RWY **ROUTING BERGRIVER 2A** 20L On LWV R-075 inbound, maintain 5000', at D15 LWV turn RIGHT, 300° track, descend to 2000' for radar vectors to ILS **BERGRIVER 2B** 02R On LWV R-075 inbound, maintain 5000', at D15 LWV turn LEFT, 220° track, descend to 2000' for radar vectors for visual or VORDME approach. In the event of a missed approach with the intention of diverting to an alternate airport

Rwy 20: to NE BERGRIVER 1A; Rwy 02: to NE BERGRIVER 1B; to SE HOPEFIELD 1A. Rwy 02: to NE BERGRIVER 1B;

comply with the following SIDs:

JEPPESEN LANGEBAANWEG, S AFR REP FALW/SDB 24 SEP 10 (10-2A) LANGEBAANWEG Trans level: By ATC Trans alt: 5000' \*ATIS Apt Elev 1. If unable to comply with STAR advise ATC. 117.0 108' 2. SIDs and STARs must be announced in operation on ATIS. 3. STARs only available when Surveillance Radar is in operation. 4. STARs include minimum noise routings. HOPEFIELD 2A [HOPE2A] 5000 2400' HOPEFIELD 2B [HOPE2B] - 30n RWYS 20L, 02R ARRIVALS 3100 MSALWV VOR ILS 108.9 LWI LANGEBAANWEG-NOT TO SCALE ₽ 117.0 LWV S32 59.0 E018 09.8

## UNLICENCED MILITARY AERODROME TO BE USED IN EMERGENCY ONLY.

▼ LOST COMMS ▼ LOST COMMS

HOPEFIELD 2B

## **HOPEFIELD 2A**

Before D15 LWV: Maintain last assigned FL/altitude to LWV, commence ILS/VORDME Rwy 20L approach at ETA +10 minutes for landing.

After D15 LWV: Climb on last assigned heading to 5000', turn to LWV, commence ILS/VOR-DME Rwy 20L approach at ETA +10 minutes for landing.

## **HOPEFIELD 2B**

Before D15 LWV: Maintain last assigned FL/altitude to LWV, commence VORDME Rwy 02R approach at ETA +10 minutes for landing.

After D15 LWV: Turn LEFT, 270° track, climbing to LWV at 5000', commence VORDME Rwy 02R approach at ETA +10 minutes and land. **▲**CF WWDC

CT WWDC

STAR	RWY	ROUTING		
HOPEFIELD 2A	20L	On LWV R-160 inbound, maintain 5000', at D15 LWV turn RIGHT, 350° track, descend to 2000', at LWV 7 DME turn RIGHT, 020° track for radar vectors to ILS.		
HOPEFIELD 2B	02R	On LWV R-160 inbound, maintain 5000', at D15 LWV descend to 2000' for radar vectors for visual or VORDME approach.		

In the event of a missed approach with the intention of diverting to an alternate airport comply with the following SIDs:

Rwy 20: to NE BERGRIVER 1B; to SE HOPEFIELD 1B.

Rwy 02: to NE BERGRIVER 1A; to SE HOPEFIELD 1A.

A.GT.WWDC

**D15 LWV** S33 09.6 E018 22.5

CT WWDC

SOMERSVELD-

113.0 SVV S33 15.0 E018 28.7

A OF WWDC

JEPPESEN LANGEBAANWEG, S AFR REP FALW/SDB (10-3)LANGEBAANWEG 24 SEP 10 Trans level: By ATC Trans alt: 5000' \*LANGEBAANWEG Apt Elev 1. If unable to comply with SID advise ATC. Approach (R) 108' 2. SIDs only applicable when Surveillance Radar is in operation. 122.5 3. At 3000' contact LANGEBAANWEG Approach. 4. SIDs include minimum noise routings. BERGRIVER 1A [BERG1A] 5000 BERGRIVER 1B [BERG1B] 2400 300 RWYS 20L, 02R DEPARTURES 3100 SPEEDE MAX 230 KT MSA LWV VOR UNLICENCED MILITARY AERODROME TO BE USED IN EMERGENCY ONLY. D15 LWV S32 49.8 E018 24.0 110°hdg BERGRIVER 1B LANGEBAANWEG-₽ 117.0 LWV S32 59.0 E018 09.8 4 DME NOT TO SCALE LOST COMMS FL80 or last assigned FL. At SID termination point continue as Comply with SID maintain per flight plan. Aircraft wishing to return must continue to SID termination point. Leave controlled airspace via the shortest route and remain clear of controlled airspace for 5 minutes, then return via BERGRIVER 1A: BERGRIVER 2A STAR LOST COMMS procedure. BERGRIVER 1B: BERGRIVER 2B STAR LOST COMMS procedure. A CIT WWDC CF WWDC A CT WWDC CC WWDC CT WWDC ACC WWDC AS OF WWDC A OF WWDC RWY SID ROUTING **BERGRIVER 1A** 20L On runway heading to LWV 4 DME, climbing to 3000', turn LEFT, 040° FL80, at D15 LWV as per heading, intercept LWV R-075, climbing to flight plan **BERGRIVER 1B** On runway heading to LWV 5 DME, climbing to **3000'**, turn RIGHT, **FL80**, at D15 LWV as 110° heading, intercept LWV R-075, climbing to

per flight plan.

JEPPESEN LANGEBAANWEG, S AFR REP FALW/SDB 24 SEP 10 (10-3A)

LANGEBAANWEG Trans alt: 5000' Trans level: By ATC \*LANGEBAANWEG Apt Elev 1. If unable to comply with SID advise ATC Approach (R) 108' 2. SIDs only applicable when Surveillance Radar is in operation. 122.5 3. At 3000' contact LANGEBAANWEG Approach. 4. SIDs include minimum noise routings. HOPEFIELD 1A [HOPE1A] 5000 2400 HOPEFIELD 1B [HOPE1B] 300 RWYS 20L, 02R DEPARTURES 3100 SPEEDE MAX 230 KT MSA LWV VOR LANGEBAANWEG-₽ 117.0 LWV HOPEFIELD S32 59.0 E018 09.8 NOT TO SCALE 4 DME UNLICENCED MILITARY AERODROME D15 LWV S33 12.2 E018 18.2 TO BE USED IN EMERGENCY ONLY. X LOST COMMS VLOST COMMS LOST COMMS Comply with SID maintain 5000' or last assigned FL. At SID termination point continue as per flight plan. Aircraft wishing to return must continue to SID termination point. Leave controlled airspace via the shortest route and remain clear of controlled airspace for 5 minutes, then return via HOPEFIELD 1A: HOPEFIELD 2A STAR LOST COMMS procedure. HOPEFIELD 1B: HOPEFIELD 2B STAR LOST COMMS procedure. CC WWDC C WWDC CT WWDC AZ OF WWDC CT WWDC ACT WWDC A OF WWDC CF WWDC

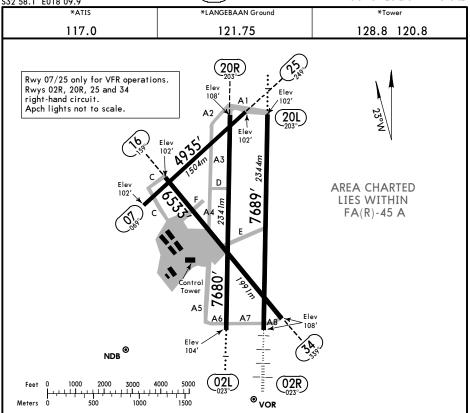
	210	HWT	ROUTING
Н	OPEFIELD 1A	20L	On runway heading to LWV 4 DME, climbing to 3000', turn LEFT, 140° heading, intercept LWV R-175, climbing to 5000', at D15 LWV as per flight plan.
Н	OPEFIELD 1B	02R	On runway heading to LWV 5 DME, climbing to 200° heading, intercept LWV R-175, climbing to per flight plan. 3000', at D15 LWV as

FALW/SDB Apt Elev 108' S32 58.1 E018 09.9

## #JEPPESENLANGEBAANWEG, S AFR REP

24 DEC 04 (10-9)

LANGEBAANWEG AB



			ADDITIONAL BUIL	NA/AV INEODAAATI	ON.		
			ADDITIONAL KUI	1	USABLE LENGT	HS <del> </del>	
NΥ				Threshold	Glide Slope	TAKE-OFF	WIDTH
	RL	HIALS	S PAPI (angle 3.00°)				135'
20L	RL	ALS	PAPI (angle 3.00°)		7022' 2140m		41m
	RL	ALS	PAPI (angle 3.00°)				150'
20R	RL	PAPI	(angle 3.00°)				46m
25	RL (	(blue)					150′ 46m
34	RL	PAPI	(angle 3.00°)				150′ 46m
	20R 25	20L RL RL 20R RL RL RL RL RL RL	20L RL ALS RL ALS 20R RL PAPI 25 RL (blue)	NY	Column	ANDING BEYOND   Threshold   Glide Slope	USABLE LENGTHS

JAR-OPS TAKE-OFF I						
All Rwys						
	LVP must be in Force	1				
	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)			
A B C	250m	400m	500m			
D	300m					

JEPPESEN

10-9S LANGEBAANWEG, S AFR REP LANGEBAANWEG AB

				LANGE	BAANWEG AB
STRAIGHT-IN RWY		Α	В	С	D
02R	VOR <b>①</b>	<b>490</b> ′(382′)	<b>490</b> ′(382′)	490'(382')	<b>490</b> ′(382′)
		R1400m	R1400m	R1400m	R1600m
	ALS out	R1500m	R1500m	R1800m	R2000m
20L	ILS	<b>302</b> ′(200′)	<b>302</b> ′(200′)	<b>302</b> ′(200′)	<b>302</b> ′(200')
		R1000m	R1000m	R1000m	R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	VOR DME <b>①</b>	490'(388')	<b>490</b> ′(388′)	490'(388')	<b>490</b> ′(388 <b>′</b> )
		R1500m	R1500m	R1600m	R1800m
	ALS out	R1500m	R1500m	R1800m	R2000m
	VOR	<b>540</b> ′(438′)	<b>540</b> ′(438′)	<b>540</b> ′(438′)	<b>540</b> ′(438′)
		R2000m	R2000m	C2200m	C2200m
	ALS out	C2200m	C2200m	C2400m	C2400m
34	NDB <b>②</b>	<b>520</b> ′(412′)	<b>520</b> ′(412′)	<b>520</b> ′(412′)	<b>520</b> ′(412′)
		C2100m	C2100m	C2300m	C2300m
	NDB 3	<b>990</b> ′(882 <b>′</b> )	990'(882')	990'(882')	990'(882')
		C4200m	C4200m	C4400m	C4400m

<sup>•</sup> Continuous Descent Final Approach.

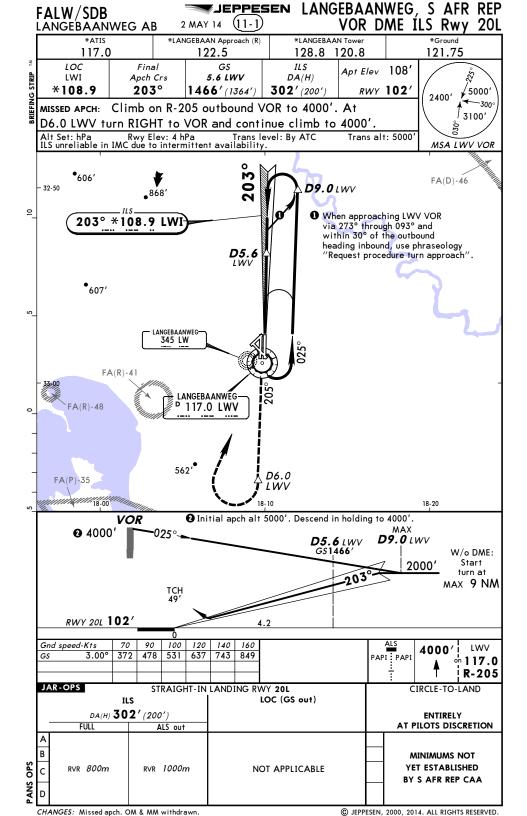
CIRCLE-TO-LAND 0	Α	В	С	D
	MINIMUMS NOT YET ESTABLISHED BY S AFR REP CAA			

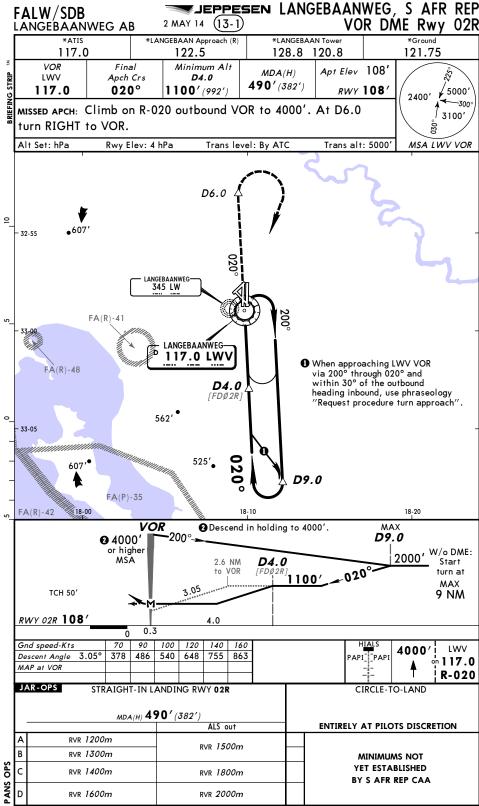
<sup>•</sup> Entirely at pilots discretion.

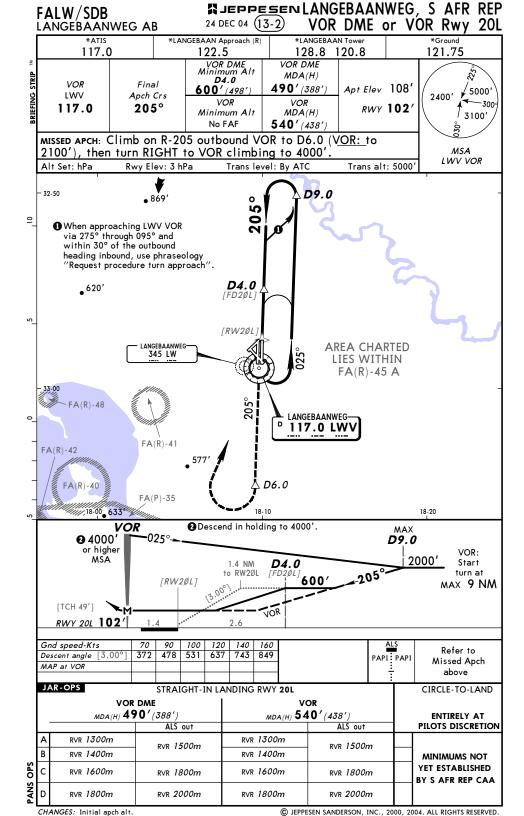
TAK	TAKE-OFF RWY 02L/R, 07, 16, 20L/R, 25, 34				
	LVP must be in force		I		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)		
A B C	250m	400m	500m		
D	300m	1			

with DME.

**❸** w/o DME.







MJEPPESEN LANGEBAANWEG, S AFR REP FALW/SDB 24 DEC 04 (16-1) CAT A & B NDB DME Rwy 34 LANGEBAANWEG AB \*LANGEBAAN Tower \*ATIS \*LANGEBAAN Approach (R) 117.0 122.5 121.75 128.8 120.8 With DME With DME Minimum Alt D4.0 MDA(H)NDB Final 520' (412') 990'(882') 108′ Apt Elev LW Apch Crs 5000 W/o DME W/o DME 2400 310° 345 RWY 108' Minimum Alt MDA(H)3100' 990' (882') No FAF MISSED APCH: Climb on 310° to 3000', then turn RIGHT to NDB climbing to 4000'. MSA LW NDB Alt Set: hPa Rwy Elev: 4 hPa Trans level: By ATC Trans alt: 5000 AREA CHARTED When approaching LW NDB 2 via 060° through 240° and LIES WITHIN within 30° of the outbound FA(R)-45 A heading inbound, use phraseology "Request procedure turn approach". 130° <u>3</u>70∘ LANGEBAANWEG 345 LW D4.0 FA(R)-48 LANGEBAANWEG 117.0 LWV FA(R)-41 FA(R)-42 •577′ FA(R)-40 33-05 FA(P)-35 633 525 18-00 18-10 18-20 2 Descend in holding to 4000'. **NDB 2** 4000′ 130° or higher Start 1600' MSA turn at 310° D4.0 MAX 990' W/o DME 3 Min With DME RWY 34 108' 4.0 3000' 310° PAPI MAP at NDB JAR-OPS STRAIGHT-IN LANDING RWY 34 CIRCLE-TO-LAND With DME W/o DME MDA(H) 520' (412') MDA(H) 990'(882') ENTIRELY AT PILOTS DISCRETION RVR 1500m В MINIMUMS NOT PANS OPS YET ESTABLISHED c BY S AFR REP CAA NOT APPLICABLE

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CHANGES: None.