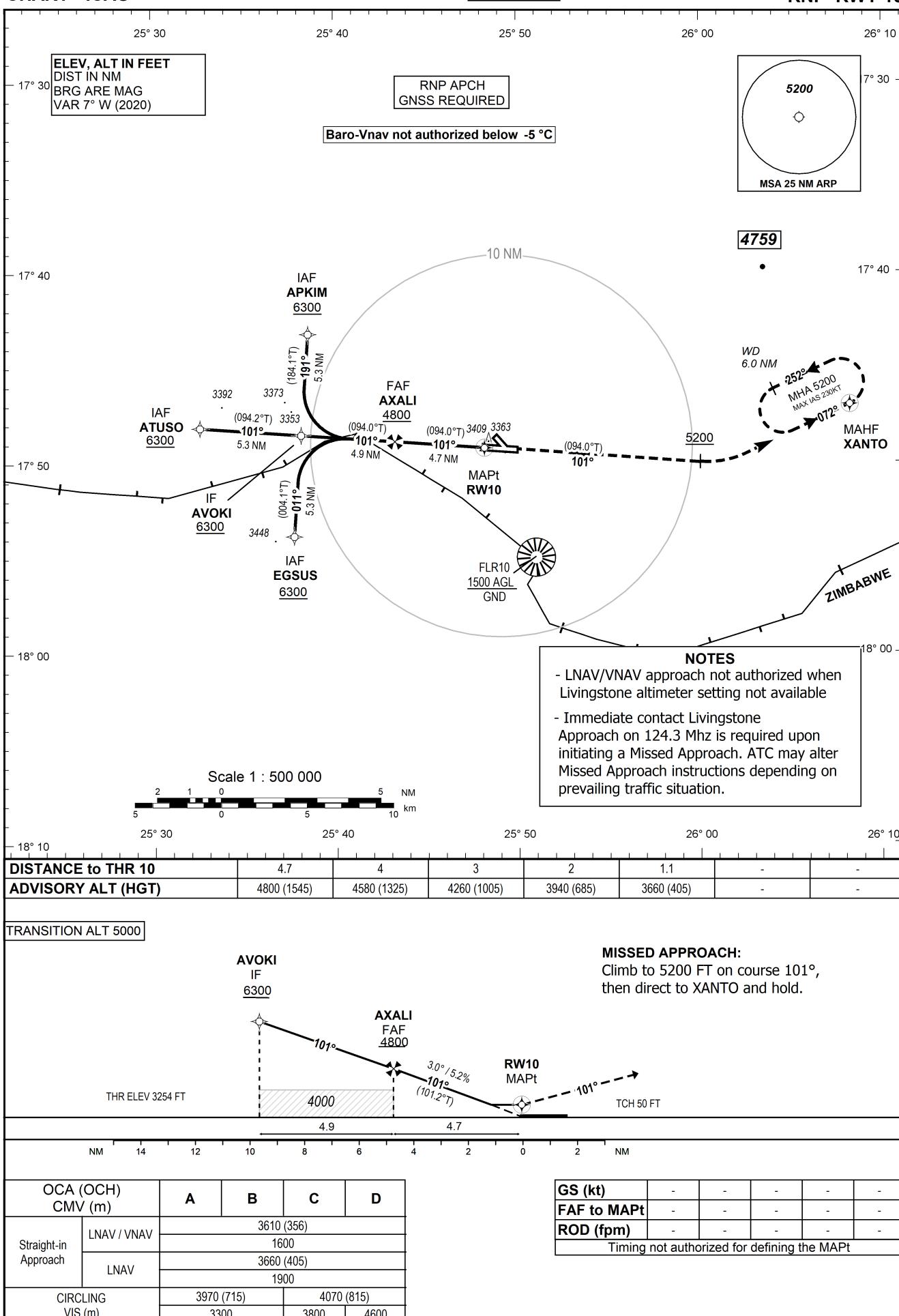


**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
AD ELEV**

**HARRY MWAANGA NKUMBULA INTL/Livingstone  
(FLHN)  
RNP RWY 10**

APP 124.300  
TWR 118.100



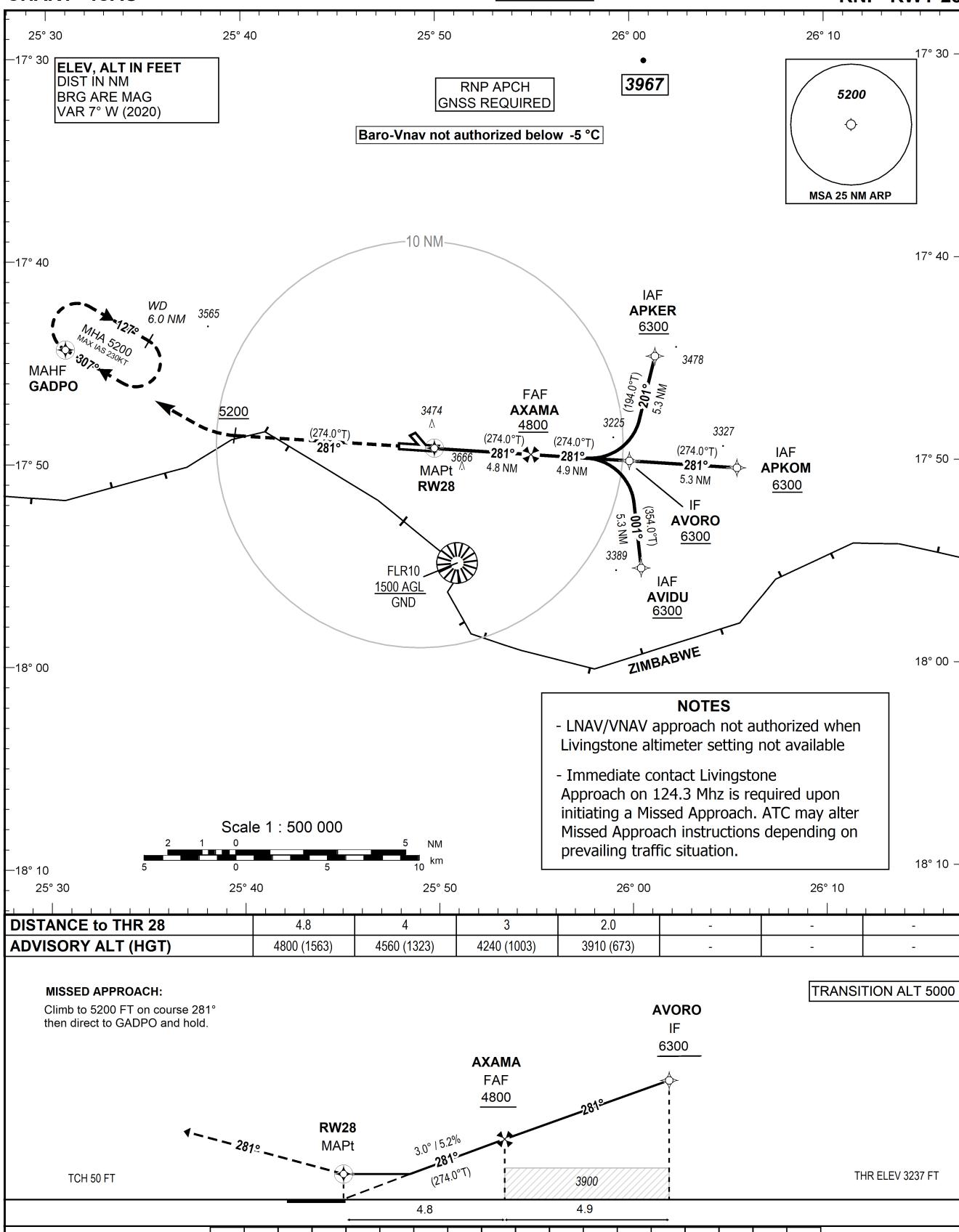
<i>Serial Number</i>	<i>Path Descriptor</i>	<i>Waypoint Identifier</i>	<i>Fly-over</i>	<i>Course / Track °M(°T)</i>	<i>Dist (NM)</i>	<i>Turn Direction</i>	<i>Altitude (ft/FL)</i>	<i>Speed (KTs)</i>	<i>VPA/ TCH</i>	<i>Navigation Specification</i>
010	IF	EGSUS	-	-	-	-	+6300	-	-	RNP APCH
020	TF	AVOKI	-	011 / (004.1)	5.3	-	+6300	-	-	RNP APCH
010	IF	APKIM	-	-	-	-	+6300	-	-	RNP APCH
020	TF	AVOKI	-	191 / (184.1)	5.3	-	+6300	-	-	RNP APCH
010	IF	ATUSO	-	-	-	-	+6300	-	-	RNP APCH
020	TF	AVOKI	-	101 / (094.2)	5.3	-	+6300	-	-	RNP APCH
030	TF	AXALI	-	101 / (094.0)	4.9	-	+4800	-	-	RNP APCH
040	TF	RW10	Y	101 / (094.0)	4.7	-	@3304	-	-3.00 / 50	RNP APCH
050	CA	-	-	101 / (094.0)	-	-	+5200	-	-	RNP APCH
060	DF	XANTO	Y	-	-	-	+5200	-	-	RNP APCH
070	HM	XANTO	Y	072 / (065.0)	6.0	L	+5200	-230	-	RNP APCH

<i>Waypoint Identifier</i>	<i>Coordinates</i>
APKIM	S 17 43 14.1 E 025 38 31.5
ATUSO	S 17 48 09.8 E 025 32 34.8
AVOKI	S 17 48 32.8 E 025 38 07.5
AXALI	S 17 48 53.7 E 025 43 16.2
EGSUS	S 17 53 51.6 E 025 37 43.5
XANTO	S 17 44 24.6 E 026 13 53.6
RW10	S 17 49 13.48 E 025 48 10.89

## **INSTRUMENT APPROACH CHART - ICAO**

**AERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
THR RWY 28 - EL ELEV 3237 FT**

**HARRY MWAANGA NKUMBULA INTL/Livingstone**  
APP 124.300 (FLHN)  
TWR 118.100 RNP RWY 28



OCA (OCH) CMV (m)		A	B	C	D
Straight-in Approach	LNAV / VNAV	3840 (603)			
		2800			
	LNAV	3910 (673)			
CIRCLING VIS (m)		3100			
		3970 (715)		4070 (815)	
		3300	3800	4600	

GS (kt)	-	-	-	-
FAF to MAPt	-	-	-	-
ROD (fpm)	-	-	-	-

Timing not authorized for defining the MAPt

<i>Serial Number</i>	<i>Path Descriptor</i>	<i>Waypoint Identifier</i>	<i>Fly-over</i>	<i>Course / Track °M(°T)</i>	<i>Dist (NM)</i>	<i>Turn Direction</i>	<i>Altitude (ft/FL)</i>	<i>Speed (KTs)</i>	<i>VPA/ TCH</i>	<i>Navigation Specification</i>
010	IF	APKOM	-	-	-	-	+6300	-	-	RNP APCH
020	TF	AVORO	-	281 / (274.0)	5.3	-	+6300	-	-	RNP APCH
010	IF	APKER	-	-	-	-	+6300	-	-	RNP APCH
020	TF	AVORO	-	201 / (194.0)	5.3	-	+6300	-	-	RNP APCH
010	IF	AVIDU	-	-	-	-	+6300	-	-	RNP APCH
020	TF	AVORO	-	001 / (354.0)	5.3	-	+6300	-	-	RNP APCH
030	TF	AXAMA	-	281 / (274.0)	4.9	-	+4800	-	-	RNP APCH
040	TF	RW28	Y	281 / (274.0)	4.8	-	@3287	-	-3.00 / 50	RNP APCH
050	CA	-	-	281 / (274.0)	-	-	+5200	-	-	RNP APCH
060	DF	GADPO	Y	-	-	-	+5200	-	-	RNP APCH
070	HM	GADPO	Y	307 / (300.1)	6.0	R	+5200	-230	-	RNP APCH

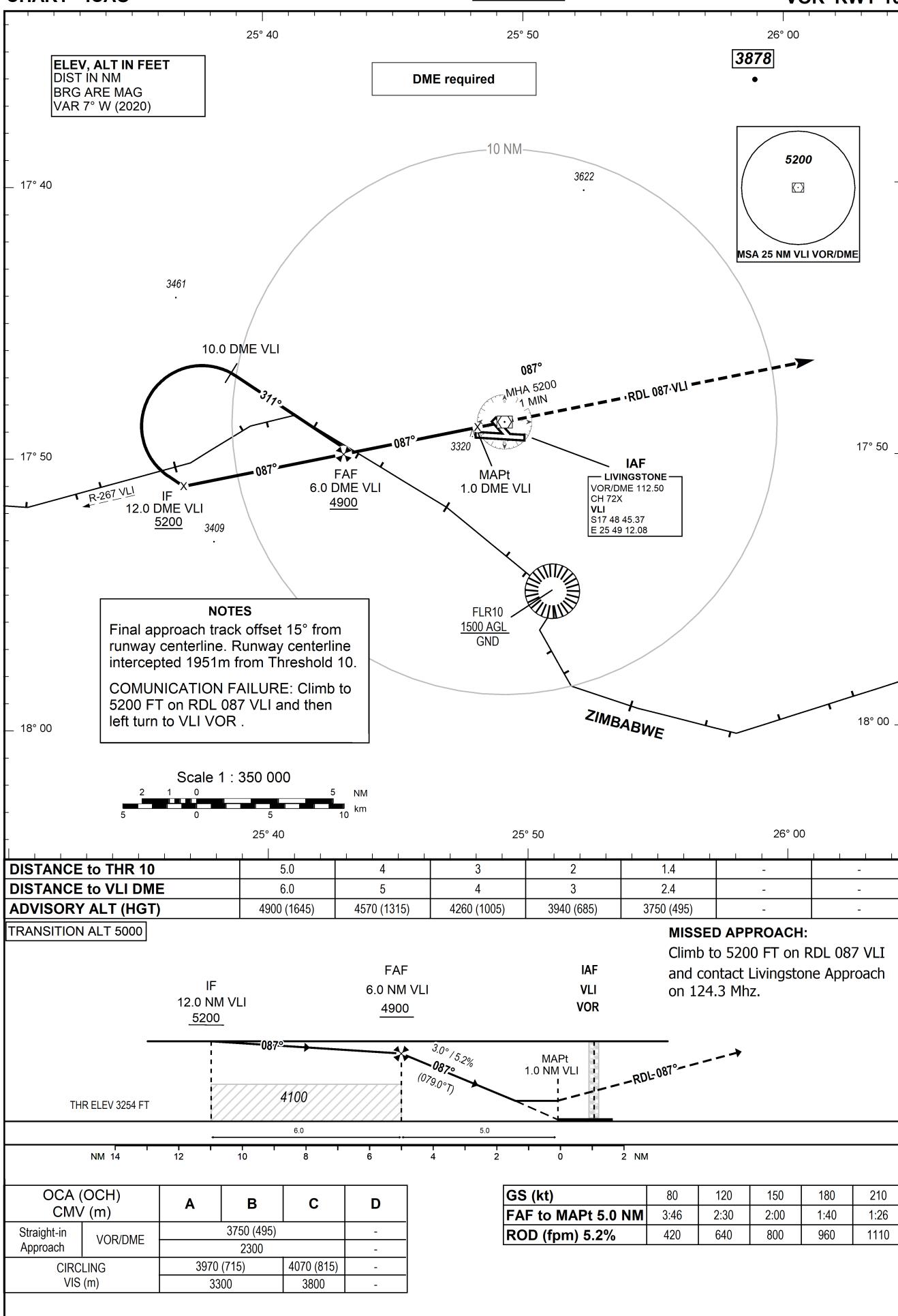
<i>Waypoint Identifier</i>	<i>Coordinates</i>
APKER	S 17 44 50.7 E 026 01 15.2
APKOM	S 17 50 22.7 E 026 05 27.1
AVIDU	S 17 55 18.0 E 026 00 29.5
AVORO	S 17 50 00.5 E 025 59 54.6
AXAMA	S 17 49 40.1 E 025 54 50.2
GADPO	S 17 41 08.5 E 025 25 06.5
RW28	S 17 49 20.26 E 025 49 52.08

INSTRUMENT  
APPROACH  
CHART - ICAO

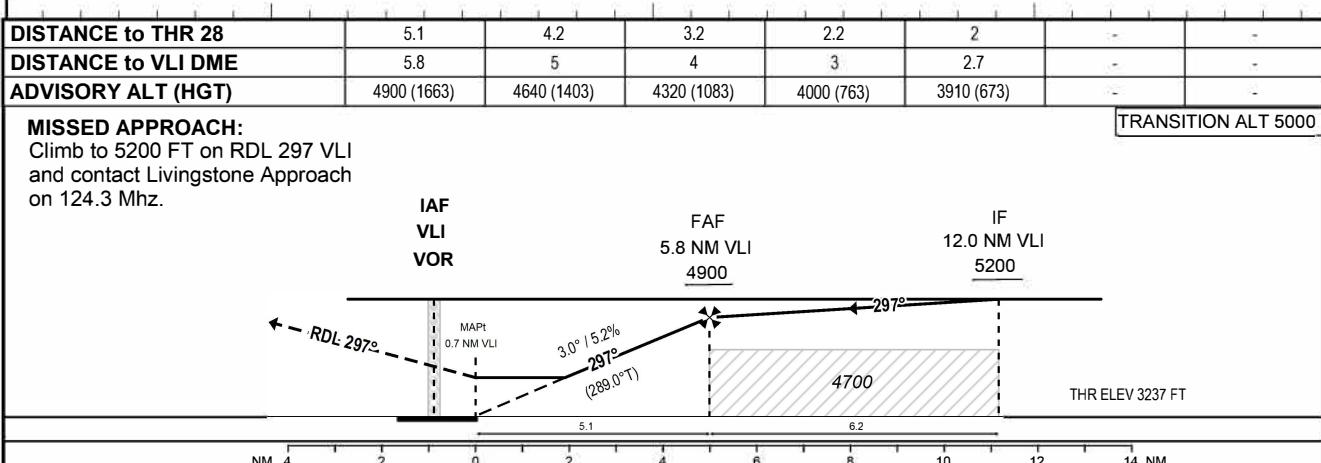
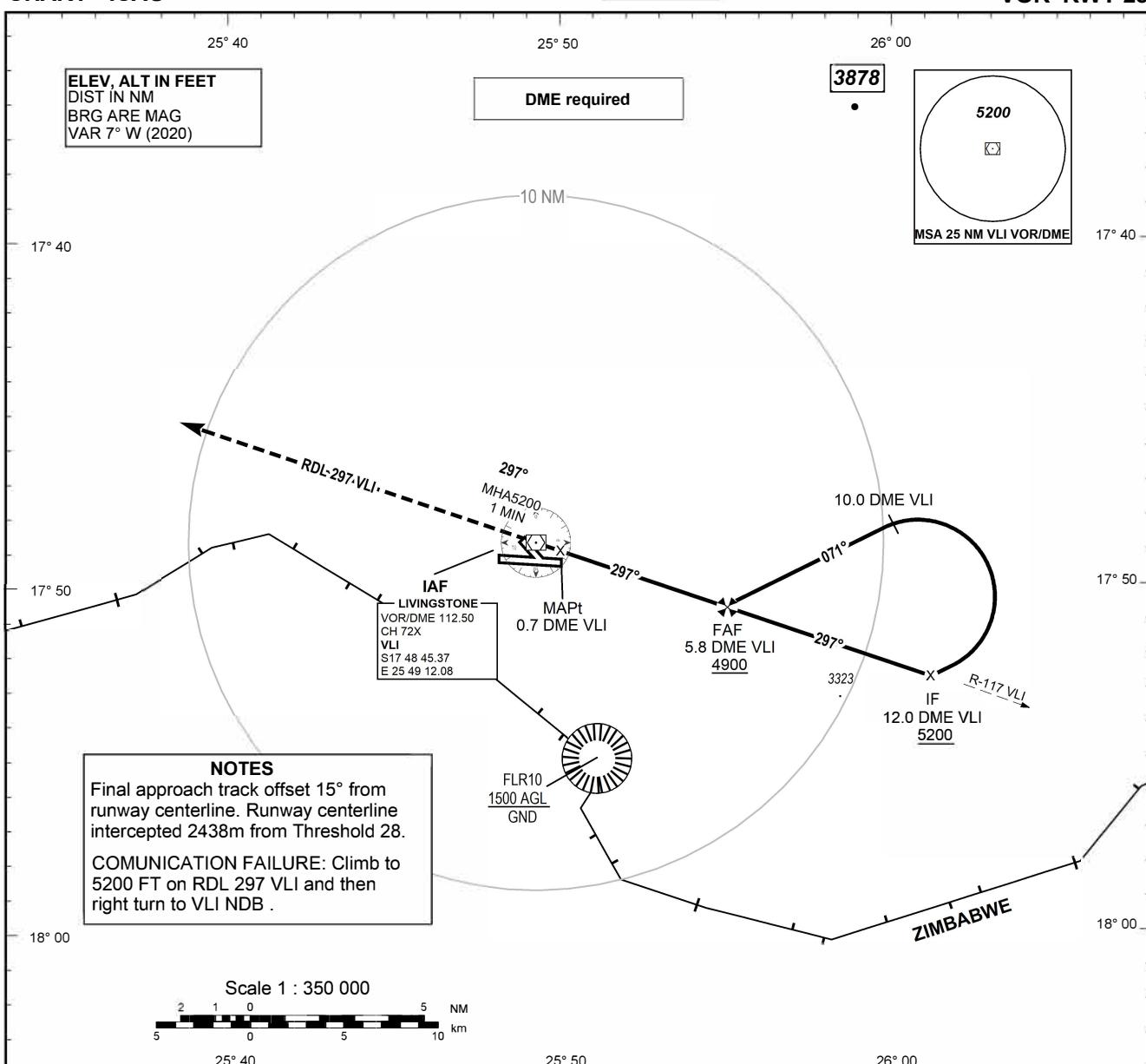
AERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
AD ELEV

HARRY MWAANGA NKUMBULA INTL/Livingstone  
(FLHN)  
VOR RWY 10

APP 124.300  
TWR 118.100



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APPROACH  
CHART - ICAOAERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
THR RWY 28 - ELEV 3237 FTHARRY MWAANGA NKUMBULA INTL/Livingstone  
(FLHN)  
VOR RWY 28APP 124.300  
TWR 118.100

OCA (OCH) CMV (m)	A	B	C	D
Straight-in Approach	VOR/DME	3910 (673)	-	
		3100	-	
CIRCLING		3970 (715)	4070 (815)	-
VIS (m)		3300	3800	-

GS (kt)	80	120	150	180	210
FAF to MAPt 5.1 NM	3:48	2:32	2:02	1:41	1:27
ROD (fpm) 5.2%	420	640	800	960	1110

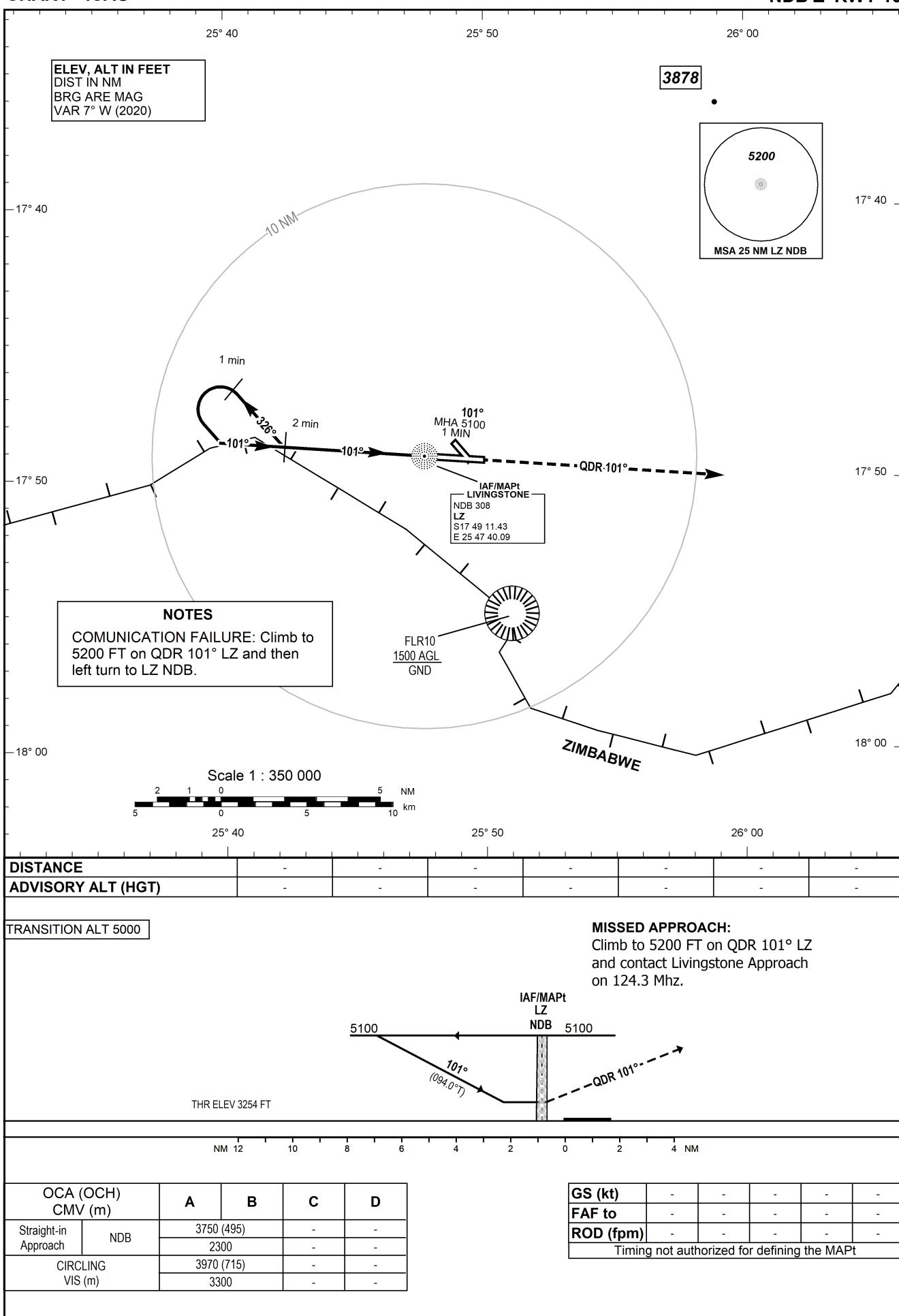
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INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
AD ELEV

HARRY MWAANGA NKUMBULA INTL/Livingstone  
(FLHN)  
NDB Z RWY 10

APP 124.300  
TWR 118.100



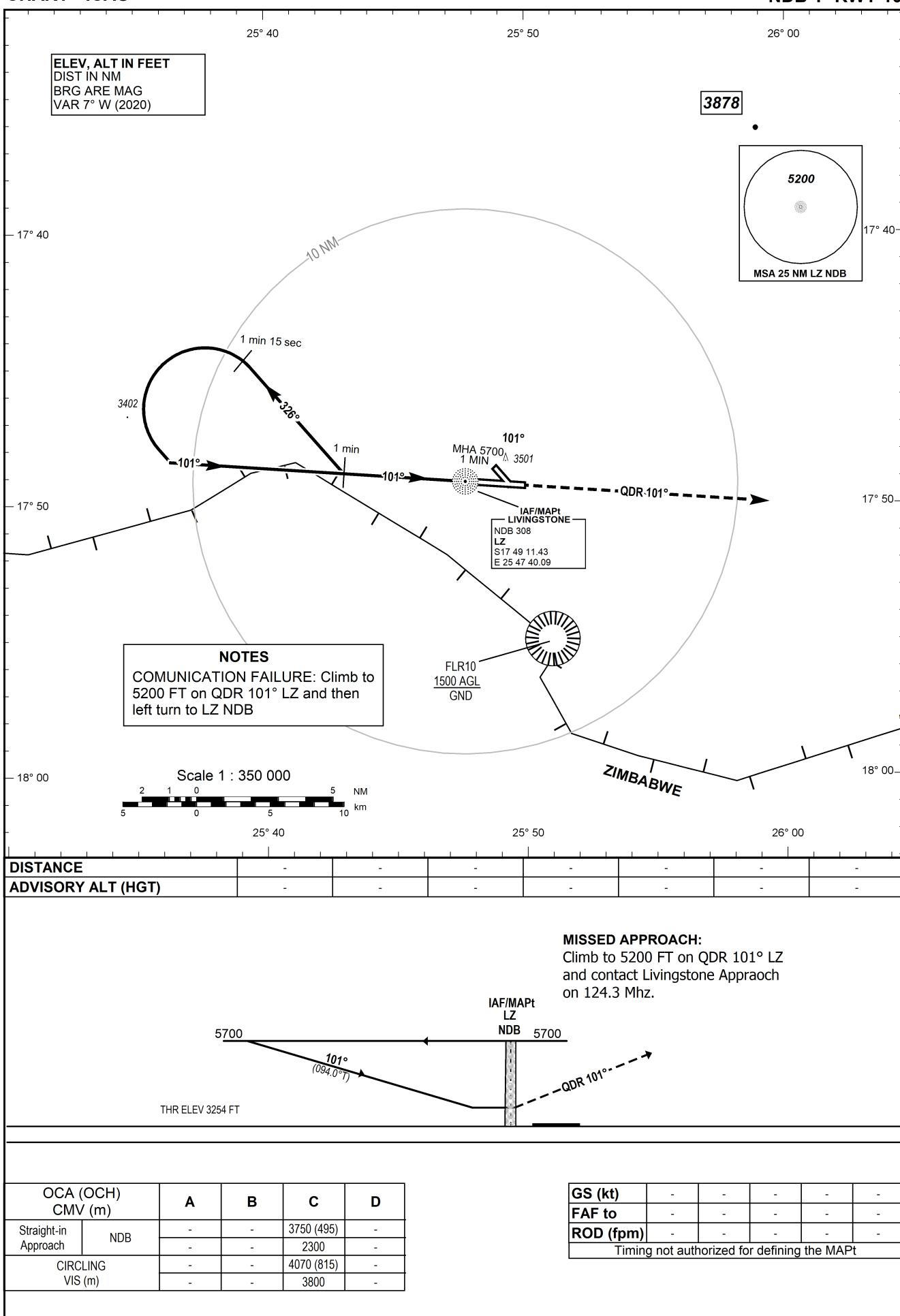
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CHART - ICAO

AERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
AD ELEV

HARRY MWAANGA NKUMBULA INTL/Livingstone  
(FLHN)  
NDB Y RWY 10

APP 124.300  
TWR 118.100



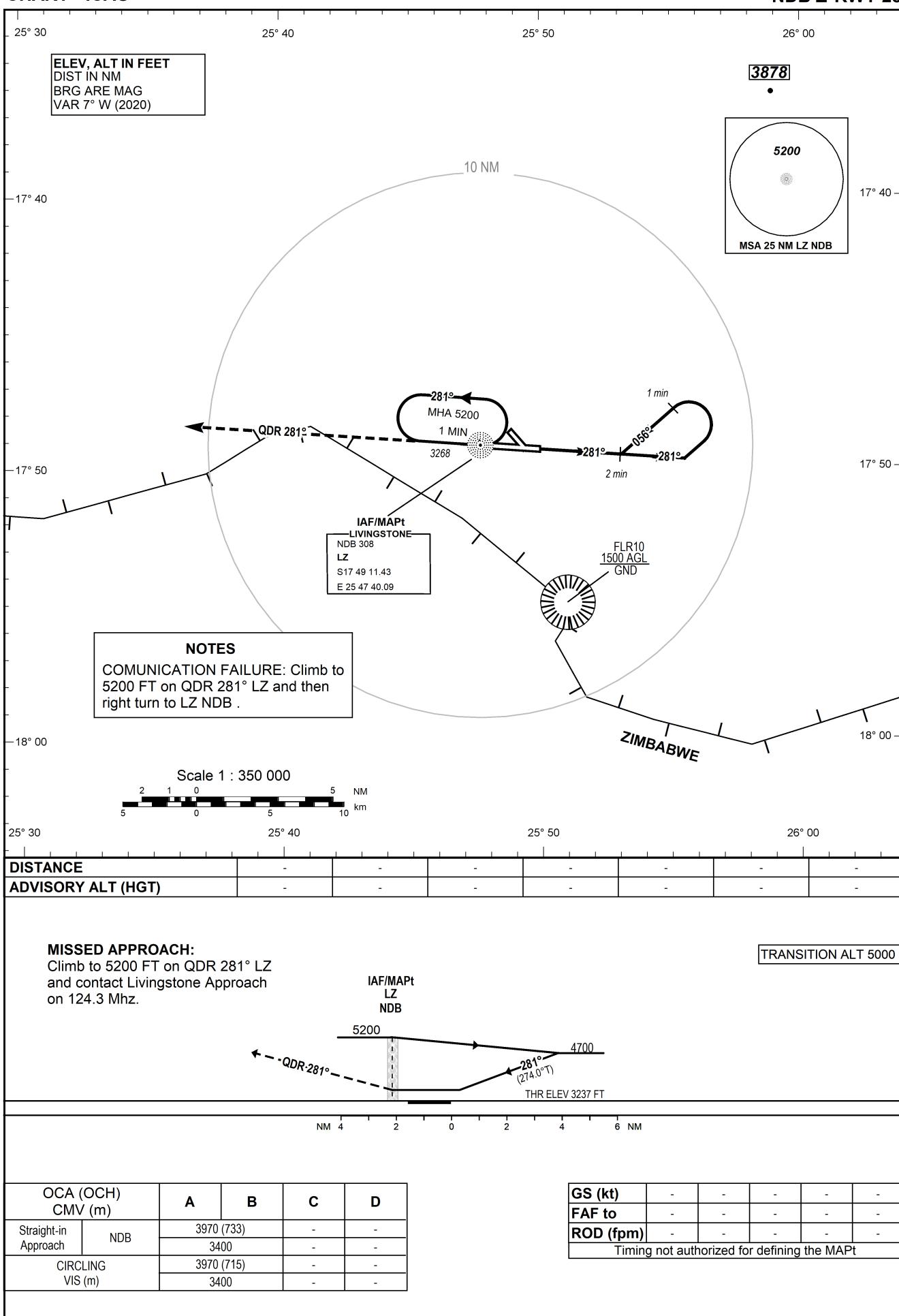
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APPROACH  
CHART - ICAO

AERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
THR RWY 28 - ELEV 3237 FT

HARRY MWAANGA NKUMBULA INTL/Livingstone  
(FLHN)  
NDB Z RWY 28

APP 124.300  
TWR 118.100



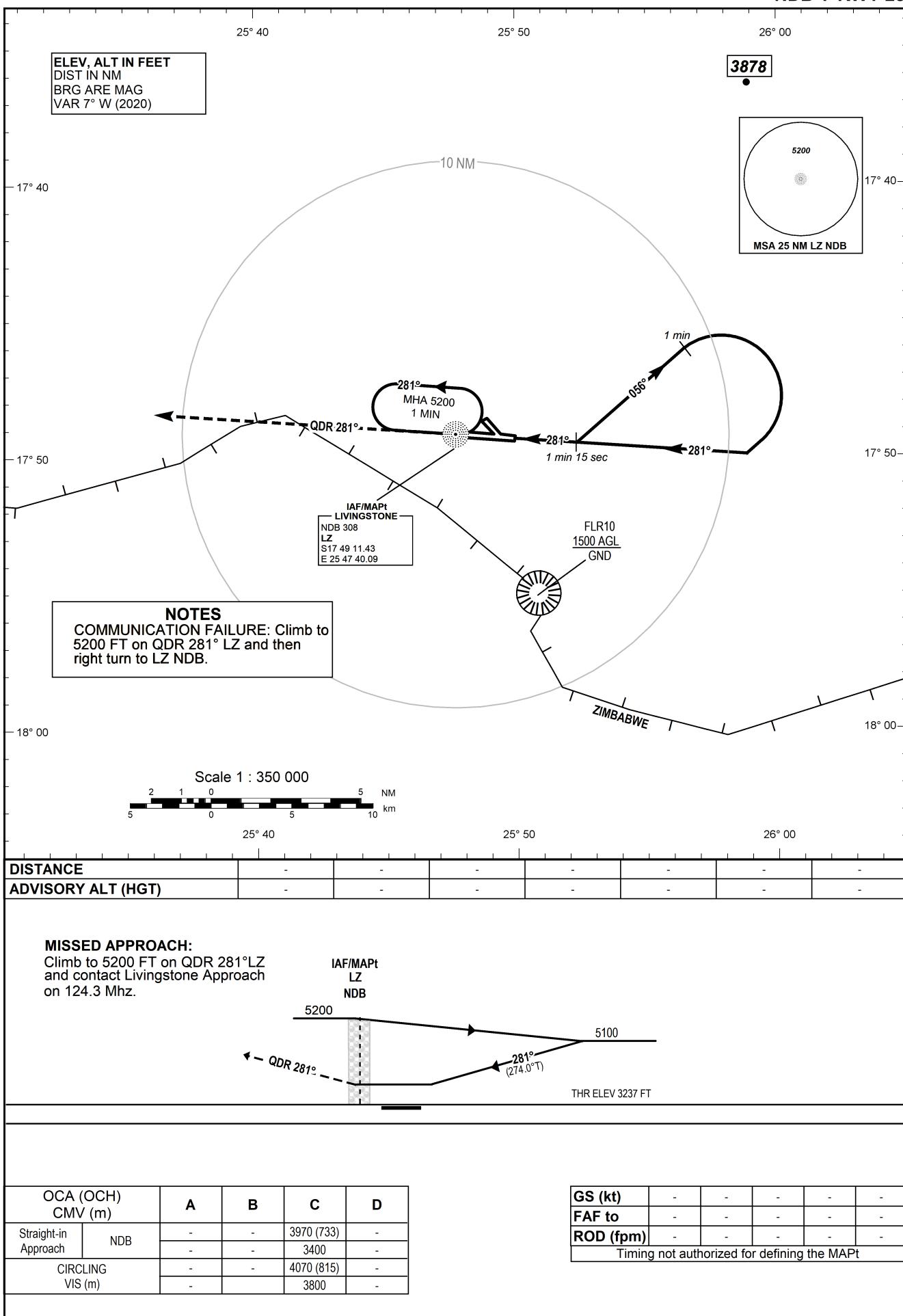
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APPROACH  
CHART - ICAO

AERODROME ELEV 3255 FT  
HEIGHTS RELATED TO  
AD ELEV

HARRY MWAANGA NKUMBULA INTL/Livingstone  
(FLHN)  
NDB Y RWY 28

APP 124.300  
TWR 118.100



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