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**BUREAU NOTAM INTERNATIONAL  
 D'ANTANANARIVO**  
 B.P. 46 Ivato Aéroport Antananarivo -  
 MADAGASCAR

**AIP SUP  
 NR 21/A/20FM  
 10 MAY 2020**

LA REUNION\* - MADAGASCAR - MAYOTTE\* - UNION DES COMORES

\* The AIC, AMDT, AIP and AIP SUP concerning these islands are published on https://sia.aviation-civile.gouv.fr

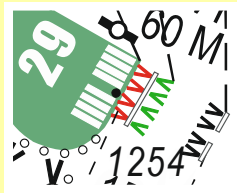

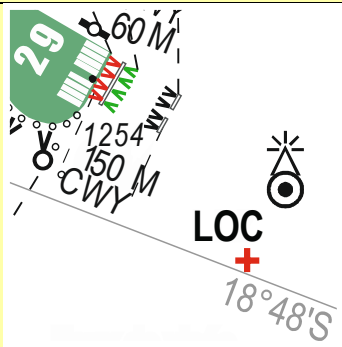

**FMMI - ADC update**

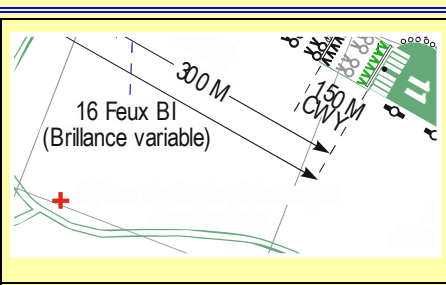

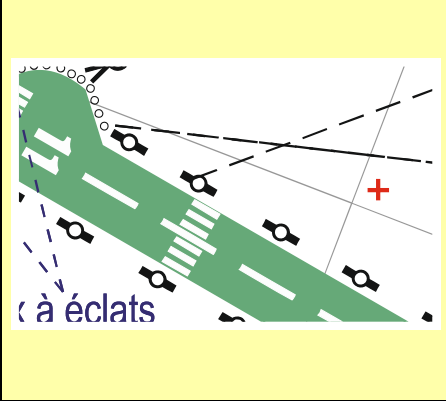

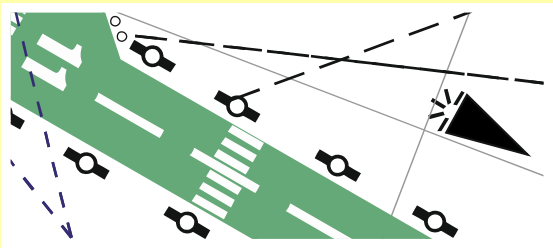
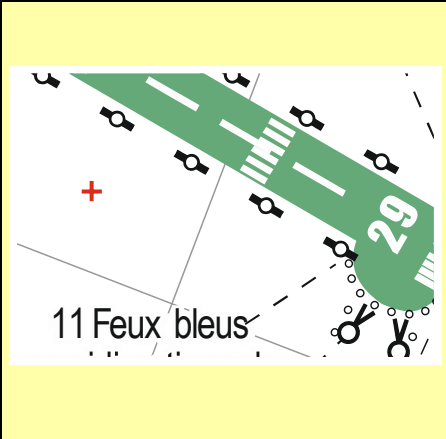

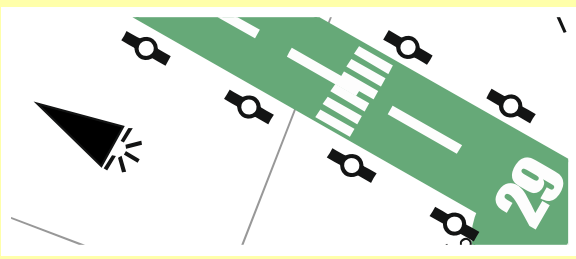
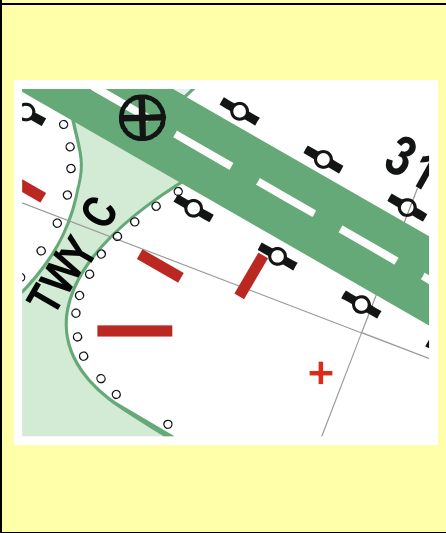

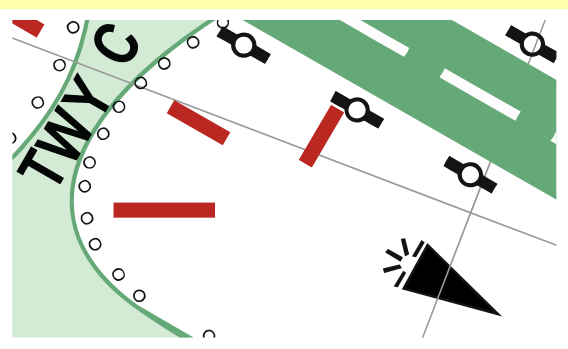
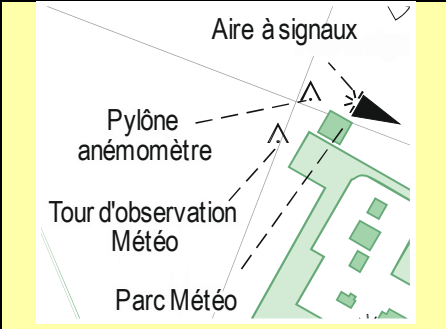


Effective date :	<b>10 MAY 2020</b>
Validity :	<b>PERM</b>

Les éléments de mise à jour qui sont applicables pour la carte d'aérodrome de l'aéroport d'ANTANANARIVO/Ivato sont publiés dans le présent supplément d'AIP.

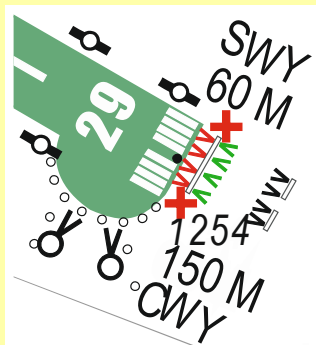
The update items that are applicable to the aerodrome chart (ADC) of ANTANANARIVO/Ivato airport are published in this AIP supplement.

**1. MISCELLANEOUS UPDATE ITEMS :**

	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
1.1	<b>ELEV : 1279 m (4196 FT)</b> <b>GUND : -1 m (-3 FT)</b>	AD elevation (FT)	Read « <b>4198 FT</b> » instead of « 4196 FT »  The highest point of the landing area $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 18^{\circ}47'41.1726''S \\ 047^{\circ}27'51.5438''E \end{array} \right. \\ \text{AD ELEV : } 1279.43M \text{ (4198FT)} \\ \text{WGS.84 ID : MI101/1998} \end{array} \right.$
1.2		RWY 29 THR elevation (M)	Read « <b>1255</b> » instead of « 1254 »  $\left. \begin{array}{l} \text{THR 29} \\ \text{COORD } \left\{ \begin{array}{l} 18^{\circ}47'56.7468''S \\ 047^{\circ}29'35.9987''E \end{array} \right. \\ \text{ELEV : } 1\,254,82M \text{ (1255M)} \\ \text{WGS.84 ID : MI105/1998} \end{array} \right\}$
1.3		DME/GP	Read « <b>DME/GP</b> » instead of « GP »
1.4		'LOCALIZER' obstacle : Building (shelter) + Mast (lightning rod)	Insert « <b>Abri + Mât</b> »   $\left. \begin{array}{l} \text{'LOCALIZER'} \\ \text{COORD : } 18^{\circ}47'59.6''S \text{ } 047^{\circ}29'41.7''E \\ \text{ELEV : } 1253M \\ \text{Shelter AGL HGT : } 2.15M \\ \text{Lightning rod length : } 2M \\ \text{OBST AGL HGT : } 4.15M \\ \text{OBST top ALT : } 1257,15M \text{ (4125FT)} \\ \text{Marked and Lighted} \end{array} \right\}$

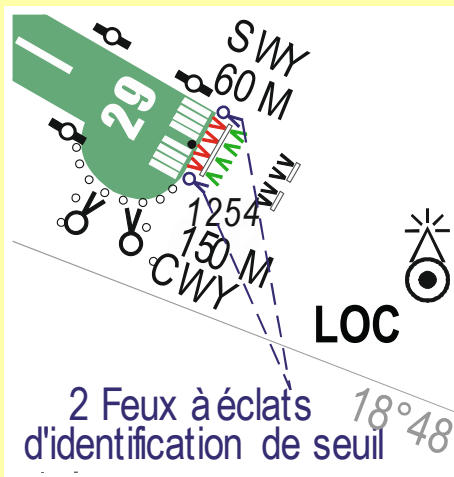
1.5		RADAR	Insert « <b>RADAR</b> »  <i>'Radar'</i> $\left\{ \begin{array}{l} \text{COORD : } 18^{\circ}47'49.8''\text{S } 047^{\circ}27'41.9''\text{E} \\ \text{Top ALT : } 1305\text{M} \\ \text{Marked and } \textit{Lighted} \end{array} \right.$
1.6		RWY 11 LDI	Insert the figure :   <i>RWY 11 LDI</i> $\left\{ \begin{array}{l} \text{COORD: } 18^{\circ}47'39.53''\text{S } 047^{\circ}28'00.21''\text{E} \\ \textit{Lighted windsock} \end{array} \right.$
1.7		RWY 29 LDI	Insert RWY 29 LDI figure :   <i>RWY 29 LDI</i> $\left\{ \begin{array}{l} \text{COORD: } 18^{\circ}47'58.22''\text{S } 047^{\circ}29'26.98''\text{E} \\ \textit{Lighted windsock} \end{array} \right.$
1.8		LDI in front of the Tower (east from the TWY C)	Insert LDI figure :   <i>This LDI</i> $\left\{ \begin{array}{l} \text{COORD: } 18^{\circ}47'51.02''\text{S } 047^{\circ}28'39.06''\text{E} \\ \textit{Lighted windsock} \end{array} \right.$
1.9		Signal area and LDI figure	Delete 
		Anemometer lighting	Append the lighting symbol (  )

1.10



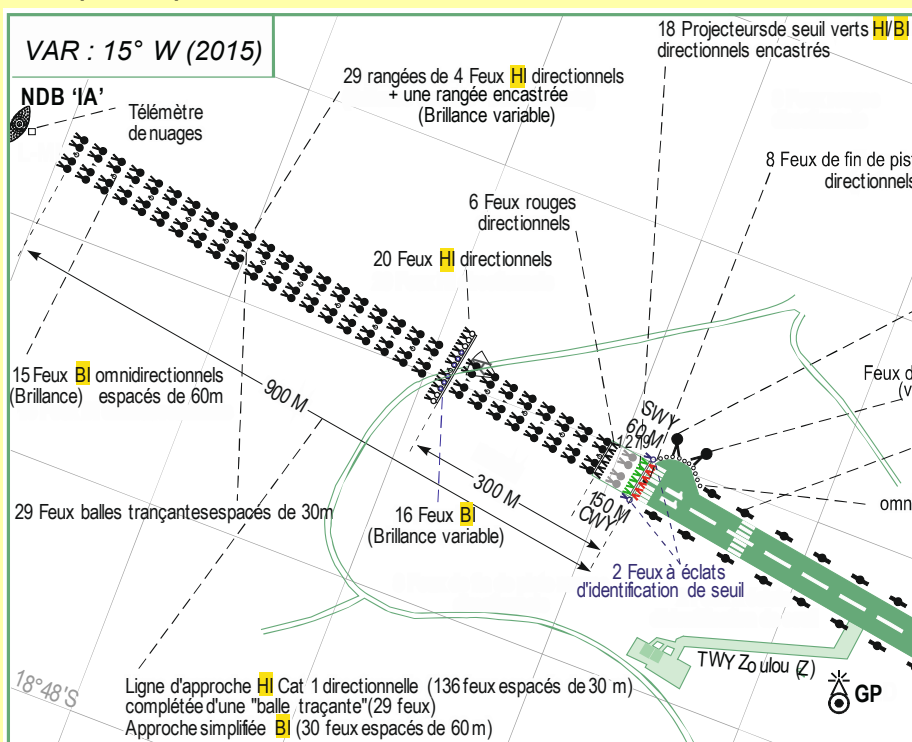
RWY 29 THR  
identification  
lights  
(Feux à éclats  
d'identification de  
seuil)

Insert the figure :



1.11

**VAR (YEAR) & RWY 11 ALS :**



- Read « 2020 » instead of « 2015 »
- Read « LIH » instead of « HI »
- Read « LIL » instead of « BI »

1.12

**RWY 11 RENL / RWY 29 RENL :**

8 Feux de fin de piste d'extrémité de piste rouges directionnels

1.13

**RWY 11 REDL / RWY 29 REDL :**

106 Feux H LIH bidirectionnels de couleur blanche et jaune clair en bout de piste sur les 300 600 derniers mètres (espacement 60 mètres)

1.14

**TWY edge lights :**

VOIES DE CIRCULATION  
Feux de bords: Bleus B LIL -Omnidirectionnels non encastrés  
Feux axiaux : NIL

## RWY MAG BEARING, THR COORD AND BEARING STRENGTHS :

RWY	DIRECTION	THR	STRENGTH
11	114°	18°47'41,1"S 047°27'51,4"E	PCN 65 / F / B / X / T
29	294°	18°47'56,7"S 047°29'36,0"E	PCN 86 / F / B / X / T
<b>TWY E</b>		<del>PCN 120 / F / B / X / T</del>	PCN 82 / F / C / X / T
<b>TWY C</b>		<del>PCN 120 / F / B / X / T</del>	PCN 77 / F / B / X / T
<b>TWY W</b>		<del>B 737</del>	PCN 30 / F / B / X / T
<b>TWY Z</b>		5700 kg	
<b>TWY N</b>		5700 kg	
<b>TXL B2</b>		PCN 105 / F / C / X / T	

1.15

## INS COORDINATES FOR AIRCRAFT STANDS :

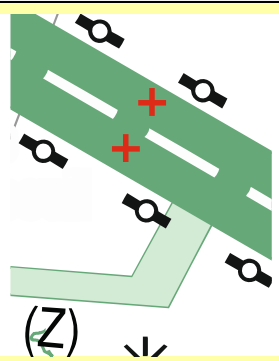

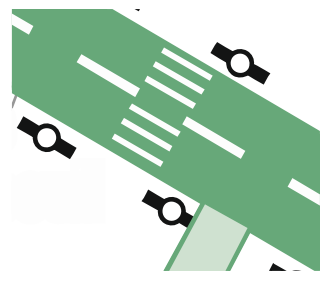
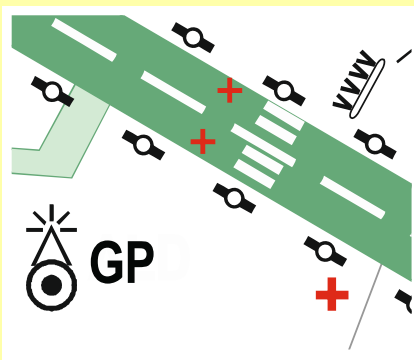



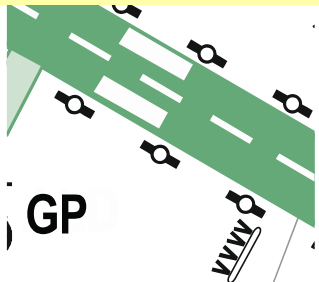
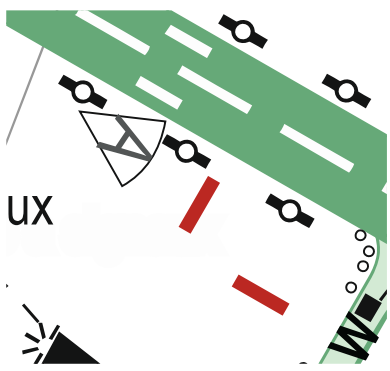


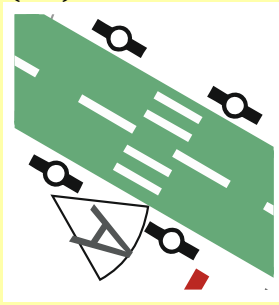
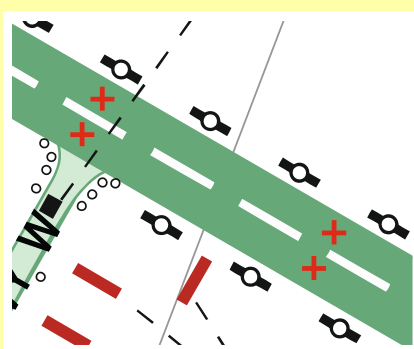


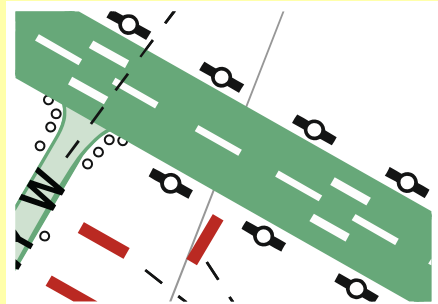
### POINTS DE RÉFÉRENCE DU SYSTÈME DE NAVIGATION PAR INERTIE

APN 1		APN 2		APN 3	
INS 1:	18°47'56"S - 047°28'38"E	INS 21:	18°48'00.04"S 047°28'41.80"E	INS R1:	18°47'58.61"S 047°28'55.66"E
INS 1a:	18°47'55"S - 047°28'36"E	INS 21F:	18°47'59.87"S 047°28'41.93"E	INS R2:	18°47'59.26"S 047°28'59.76"E
INS 2:	18°47'56"S - 047°28'36"E	INS 21L:	18°47'59.41"S 047°28'42.47"E	INS R3:	18°47'59.91"S 047°28'55.45"E
INS 3:	18°47'55"S - 047°28'34"E	INS 21R:	18°48'00.09"S 047°28'41.24"E	INS R4:	18°48'00.56"S 047°28'59.55"E
INS 3a:	18°47'54"S - 047°28'33"E	INS 22:	18°48'00.29"S 047°28'44.77"E	INS R5:	18°48'01.22"S 047°28'55.24"E
INS 4:	18°47'55"S - 047°28'32"E	INS 22L:	18°48'00.09"S 047°28'45.34"E	INS R6:	18°48'01.86"S 047°28'59.33"E
INS 4a:	18°47'54"S - 047°28'32"E	INS 22R:	18°47'59.36"S 047°28'44.42"E	INS S1:	18°47'59.37"S 047°29'00.51"E
INS 5:	18°47'55"S - 047°28'30"E	INS 23:	18°48'00.72"S 047°28'47.71"E	INS S2:	18°47'58.20"S 047°29'04.55"E
INS 5a:	18°47'54"S - 047°28'29"E	INS 23L:	18°48'00.49"S 047°28'48.12"E	INS S3:	18°48'00.67"S 047°29'00.29"E
INS 6:	18°47'54"S - 047°28'28"E	INS 23R:	18°48'00.05"S 047°28'47.28"E	INS S4:	18°47'59.32"S 047°29'04.36"E
INS 6a:	18°47'54"S - 047°28'27"E	INS 24:	18°48'00.50"S 047°28'49.95"E	INS S5:	18°48'01.97"S 047°29'00.08"E
INS 7:	18°47'54"S - 047°28'27"E	INS 25:	18°48'00.39"S 047°28'51.11"E	INS S6:	18°48'00.18"S 047°29'04.22"E
INS 8:	18°47'54"S - 047°28'25"E			INS S8:	18°48'01.05"S 047°29'04.07"E
INS 8a:	18°47'53"S - 047°28'25"E			INS S10:	18°48'01.92"S 047°29'03.93"E
INS 9:	18°47'54"S - 047°28'24"E			INS S12:	18°48'02.78"S 047°29'03.75"E
INS 9a:	18°47'53"S - 047°28'24"E				
INS 10:	18°47'54"S - 047°28'23"E				
INS 11:	18°47'58"S - 047°28'42"E				
INS 12:	18°47'57"S - 047°28'43"E				
INS 13:	18°47'59"S - 047°28'45"E				
INS 14:	18°47'59"S - 047°28'47"E				
INS 15:	18°48'00"S - 047°28'49"E				
INS 16:	18°48'00"S - 047°28'51"E				

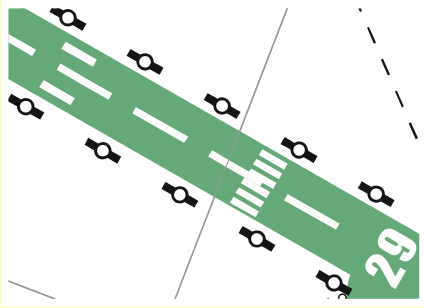


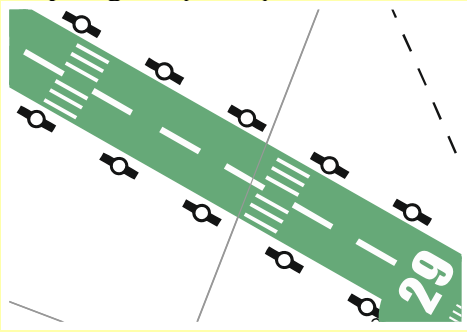
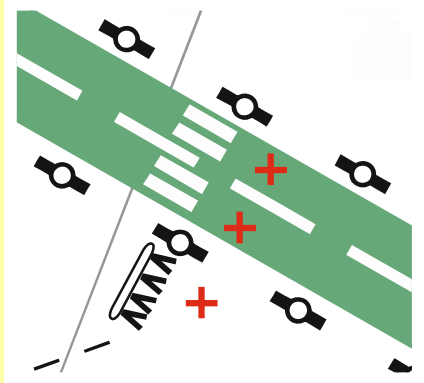


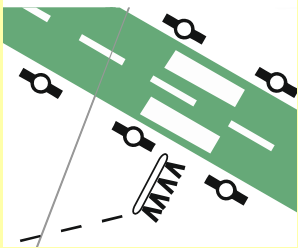
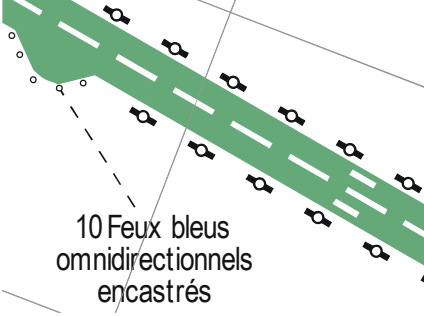


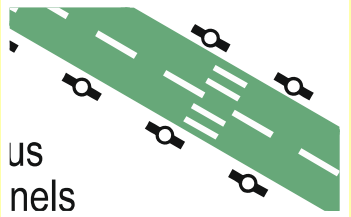
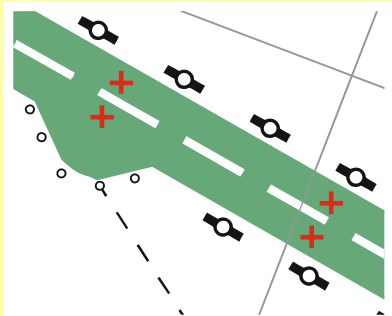


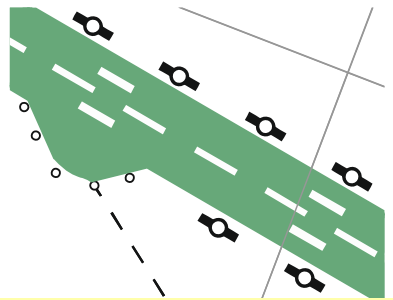
1.16

## 2. RWY MARKINGS & PAPI :

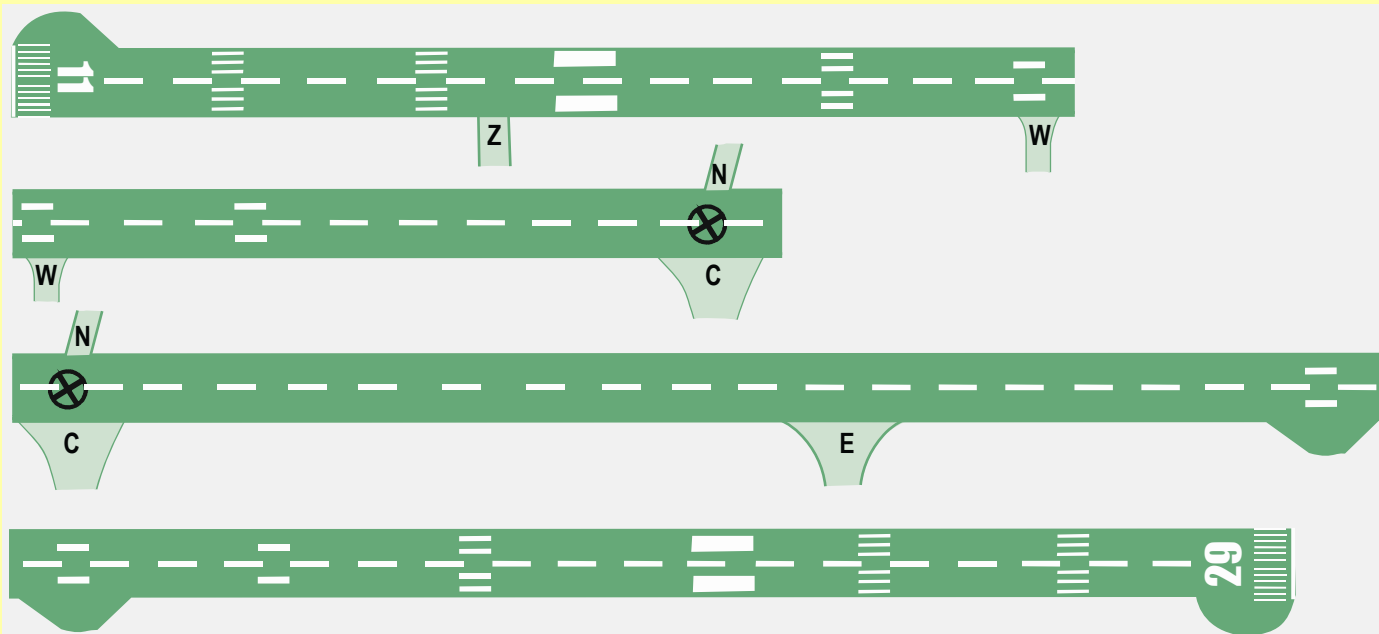
### A) RWY 11 :

	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
2.1		2nd RWY 11 TDZ marking	<p>Insert a 6-stripe figure (  ) :</p> 
2.2		<ul style="list-style-type: none"> <li>• RWY 11 aiming point marking</li> <li>• RWY 11 PAPI location</li> </ul>	<ul style="list-style-type: none"> <li>• Delete the 4-stripe figure (  )</li> <li>• RWY 11 aiming point marking : insert a 2-stripe figure (  )</li> <li>• Move the PAPI 11 figure (  ) <u>REF AIRAC SUP 30/A/19FM</u> : Introduction into service of a new PAPI (RWY 11 right side)</li> </ul> 
2.3		3 <sup>rd</sup> RWY 11 TDZ marking	<p>Change the 2-stripe figure (  ) into a 4-stripe figure (  ) :</p> 
2.4		4 <sup>th</sup> and 5 <sup>th</sup> RWY 11 TDZ markings	<ul style="list-style-type: none"> <li>• 4<sup>th</sup> RWY 11 TDZ marking : insert a 2-stripe figure (  )</li> <li>• 5<sup>th</sup> RWY11 TDZ marking : insert a 2-stripe figure (  )</li> </ul> 

**B) RWY 29 :**

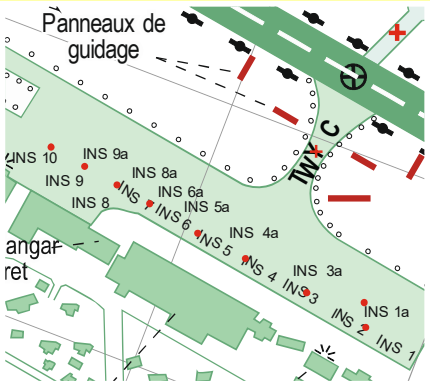
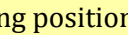
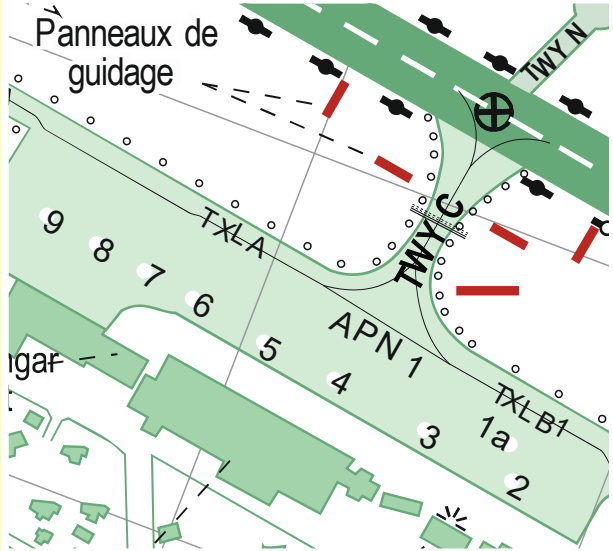
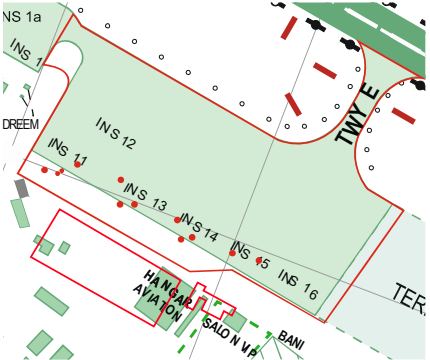
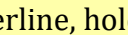
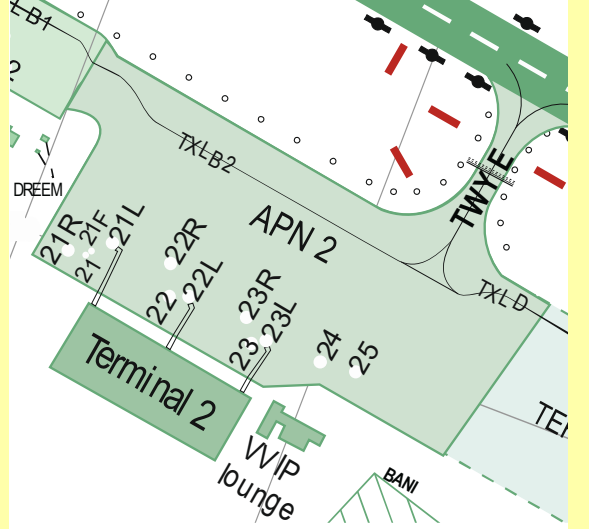
	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
2.5		2 <sup>nd</sup> RWY 29 TDZ marking	<p>Change the 2-stripe figure (  ) into a 6-stripe figure (  ):</p> 
2.6		<p>4-stripe marking</p> <ul style="list-style-type: none"> <li>• RWY 29 aiming point marking</li> <li>• PAPI 29 location</li> </ul>	<p>Delete the 4-stripe figure (  )</p> <ul style="list-style-type: none"> <li>• RWY 29 aiming point marking : insert 2-stripe figure (  )</li> <li>• Adjust the PAPI 29 location</li> </ul>  <p>PAPI 29 {  COORD : 18°47'56.25"S 047°29'21.43"E  ELEV : 1257.68M  WGS.84 ID : MI061/2004</p>
2.7	 <p>10 Feux bleus omnidirectionnels encastrés</p>	3 <sup>rd</sup> RWY 29 TDZ marking	<p>Change the 2-stripe figure (  ) into 4-stripe figure (  ) :</p>  <p>US nels</p>
2.8		<ul style="list-style-type: none"> <li>• 4<sup>th</sup> RWY 29 TDZ marking</li> <li>• 5<sup>th</sup> RWY 29 TDZ marking</li> </ul>	<ul style="list-style-type: none"> <li>• 4<sup>th</sup> RWY 29 TDZ marking : insert 2-stripe figure (  )</li> <li>• 5<sup>th</sup> RWY 29 TDZ marking : insert 2-stripe figure (  )</li> </ul> 

RWY 11/29 markings overview :

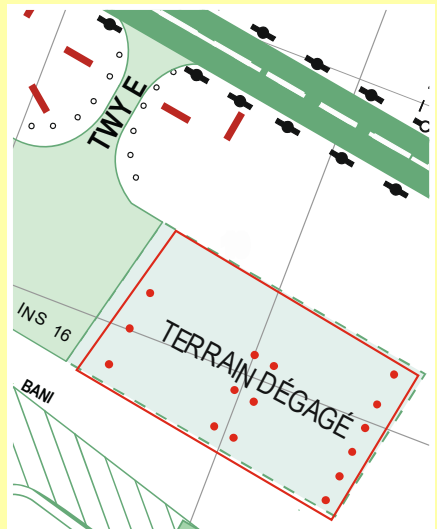
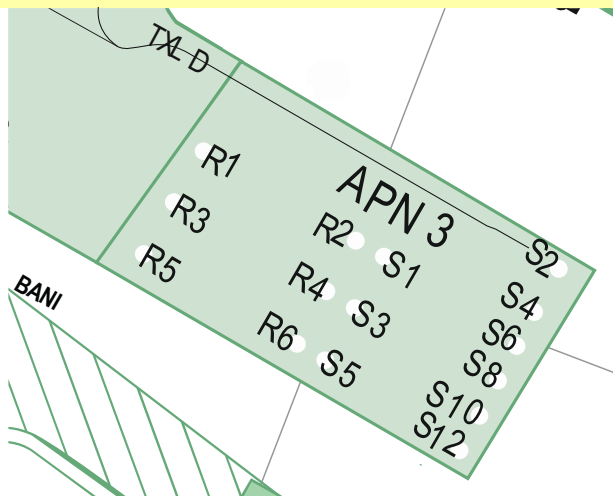


3. TWY, TXL AND APRONS :

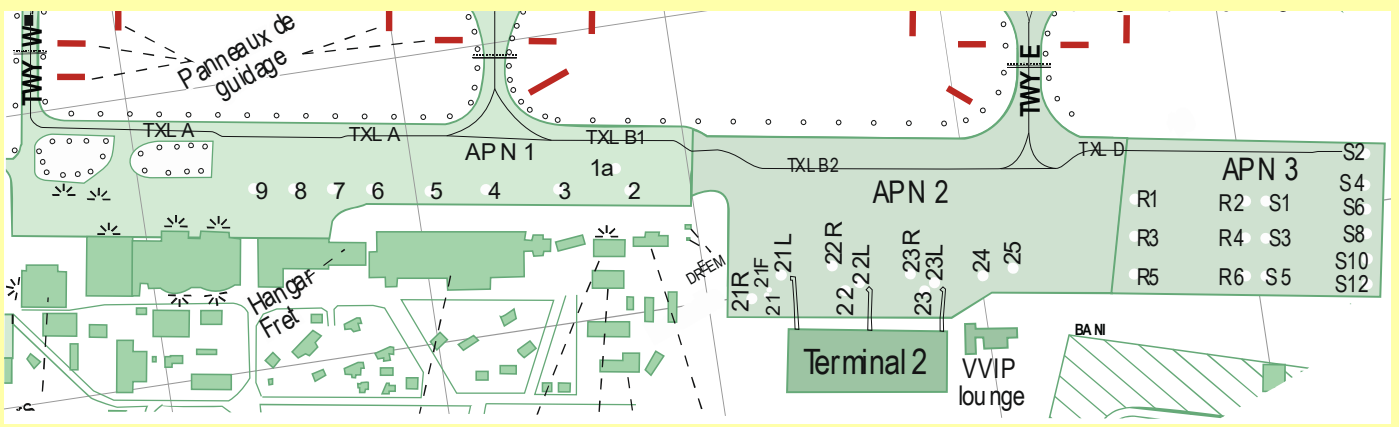
AFFECTED PART	UPDATE ITEMS	UPDATE DETAILS
<p>3.1</p>	<ul style="list-style-type: none"> <li>• TWY W centerline marking</li> <li>• VOR checkpoint</li> <li>• Holding position marking</li> <li>• TXL A</li> </ul>	<ul style="list-style-type: none"> <li>• Insert the figures related to TWY W centerline, holding position (▬▬▬▬▬▬▬▬▬▬) and TXL A</li> <li>• Read «TNV 115.1» ↻ instead of « Point de vérification VOR » ▣</li> </ul>

	AFFECTED PART	UPDATE ITEMS	UPDATE DETAILS
3.2		<ul style="list-style-type: none"> <li>• TWY N</li> <li>• TWY C centerline marking</li> <li>• Holding position marking</li> <li>• TXL A</li> <li>• APN 1</li> <li>• TXL B1</li> <li>• ACFT stand 1A</li> <li>• ACFT stand 2</li> <li>• ACFT stand 3</li> <li>• ACFT stand 4</li> <li>• ACFT stand 5</li> <li>• ACFT stand 6</li> <li>• ACFT stand 7</li> <li>• ACFT stand 8</li> <li>• ACFT stand 9</li> </ul>	<ul style="list-style-type: none"> <li>• Write <b>TWY N</b> and <b>APN 1</b></li> <li>• Delete INS 1a, INS 3a, INS 4a, INS 5a, INS 6a, INS 8a, INS 9a, INS 9a, INS 1, INS 2, INS 3, INS 4, INS 5, INS 6, INS7, INS 8, INS 9 and INS 10</li> <li>• Insert the figures related to TWY C centreline, holding position (  ), TXL A, TXL B1, ACFT stands 1A, 2, 3, 4, 5, 6, 7, 8 and 9</li> </ul> 
3.3		<ul style="list-style-type: none"> <li>• TWY E centerline marking</li> <li>• Holding position</li> <li>• TXL B2</li> <li>• APN 2</li> <li>• TXL D</li> <li>• ACFT stand 21</li> <li>• ACFT stand 21F</li> <li>• ACFT stand 21L</li> <li>• ACFT stand 21R</li> <li>• ACFT stand 22</li> <li>• ACFT stand 22L</li> <li>• ACFT stand 22R</li> <li>• ACFT stand 23</li> <li>• ACFT stand 23L</li> <li>• ACFT stand 23R</li> <li>• ACFT stand 24</li> <li>• ACFT stand 25</li> <li>• Terminal 2 &amp; Jet bridges</li> <li>• VVIP lounge</li> </ul>	<ul style="list-style-type: none"> <li>• Redesign the figure related to <b>APN 2</b></li> <li>• Delete INS 11, INS 12, INS 13, INS 14, INS 15 and INS 16</li> <li>• Insert the figures related to the TWY E centerline, holding position (  ) TXL B2, TXL D, ACFT stands 21R, 21F, 21, 21L, 22R, 22, 22L, 23R, 23, 23L, 24 , 25, Terminal 2+Jet bridges and VVIP lounge</li> </ul> 



	AFFECTED PART	UPDATE ITEMS	UPDATE DETAILS
3.4		<ul style="list-style-type: none"> <li>• APN 3</li> <li>• ACFT stand R1</li> <li>• ACFT stand R2</li> <li>• ACFT stand R3</li> <li>• ACFT stand R4</li> <li>• ACFT stand R5</li> <li>• ACFT stand R6</li> <li>• ACFT stand S1</li> <li>• ACFT stand S2</li> <li>• ACFT stand S3</li> <li>• ACFT stand S4</li> <li>• ACFT stand S5</li> <li>• ACFT stand S6</li> <li>• ACFT stand S8</li> <li>• ACFT stand S10</li> <li>• ACFT stand S12</li> </ul>	<ul style="list-style-type: none"> <li>• Delete « TERRAIN DÉGAGÉ »</li> <li>• Design the figure related to the APN 3</li> <li>• Insert the figures related to the ACFT stands R1, R3, R5, R2, R4, R6, S1, S3, S5, S2, S4, S6, S8, S10, S12</li> </ul> 

**OVERVIEW (TWY, TXL, APN, ACFT STANDS ...):**



**MODIFY ASECNA AIP CHART '09AD2-FMMI-ADC'**  
 THIS AIP SUP HAS 9 PAGES