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

**AIP SUP  
 NR 32/A/20FM  
 04 JUN 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>

## FMSD – IAC update

<i>Effective date :</i>	<b>04 JUN 2020</b>
<i>Validity :</i>	<b>PERM</b>

Les éléments de mise à jour qui sont applicables pour les cartes d'approche aux instruments de l'aéroport de TOLAGNARO/MAURILLAC sont publiés à travers ce supplément d'AIP.

Il n'y a pas de changement Important par rapport au supplément d'AIP n°15/A/20FM du 13 Avril 2020. Toutefois les changements sont marqués (XXX).

Les références des cartes impactées sont


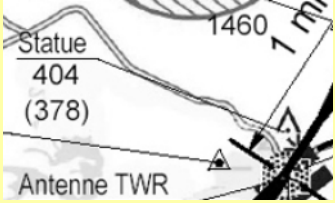

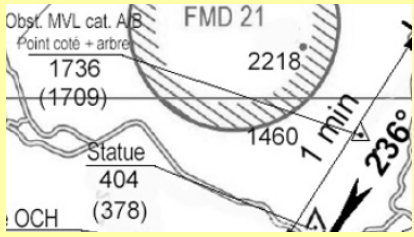

*The update items that are applicable to the instrument approach charts of TOLAGNARO / MAURILLAC airport are published through this AIP supplement.*

*There is no significant change in comparison with the AIP supplement n°15/A/20FM of 13 April 2020. Nevertheless the changes are marked (XXX).*






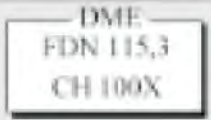
*The references of the charts that are affected are*

1. 09AD2-FMSD-IAC-CATAB-NDBDME08
2. 09AD2-FMSD-IAC-CATCD-NDBDME08
3. 09AD2-FMSD-IAC-CATAB-NDBDME26
4. 09AD2-FMSD-IAC-CATCD-NDBDME26
5. 09AD2-FMSD-IAC-CATAB-NDB08
6. 09AD2-FMSD-IAC-CATCD-NDB08
7. 09AD2-FMSD-IAC-CATAB-NDB26
8. 09AD2-FMSD-IAC-CATCD-NDB26

1. CHART '09AD2-FMSD-IAC-CATAB-NDBDME08' (Old chart reference : '804 B-3')

	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
	<b>PLAN VIEW</b>		
1.1		Magnetic variation	Read « <b>DEC. 24° W (2020)</b> » instead of « DEC. 23° W (2010) »
1.2		'STATUT AU NORD' OBST AAL height (FT)	Read « <b>377</b> » instead of « 378 »
1.3		'COLLINE AU SUD 1' OBST elevation (FT)	Read « <b>293</b> » instead of « 292 »  'COLLINE AU SUD 1' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}03'07.5"S \\ 046^{\circ}56'54,6"E \end{array} \right. \\ ELEV : 89.40M (293FT) \\ WGS.84 ID : SD900/1998 \end{array} \right.$  <b>REF NOTAM A1152/17</b>
1.4		'COLLINE 2' OBST elevation and AAL height (FT)	Read « <b>1732 (1705)</b> » instead of « 1736 (1709) »  'COLLINE 2' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}00'29.4"S \\ 046^{\circ}57'54.1"E \end{array} \right. \\ ELEV : 528.00M (1732FT) \\ AAL HGT : 1705FT \\ WGS.84 ID : SD902/1998 \end{array} \right.$  <b>REF NOTAM A1153/17</b>
1.5		'AMPASIKABO' OBST	Insert « <b>Pylône 326 (299)</b> » ✱  'AMPASIKABO' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}01'43.0"S \\ 046^{\circ}59'22.7"E \end{array} \right. \\ TOP ALT : 99.50M (100M) (326FT) \\ AAL HGT : 92M (299FT) \\ \text{Lighted pylon} \end{array} \right.$

2. CHART '09AD2-FMSD-IAC-CATCD-NDBDME08' (Old chart reference : '804 B-2')

	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
<b>PLAN VIEW</b>			
2.1		Magnetic variation	Read « <b>DEC. 24° W (2020)</b> » instead of « DEC. 23° W (2010) »
2.2		'COLLINE AU SUD 1' OBST elevation (FT)	Read « <b>293</b> » instead of « 292 » ' <i>COLLINE AU SUD 1'</i> OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}03'07.5''S \\ 046^{\circ}56'54.6''E \end{array} \right. \\ ELEV : 89.40M (293FT) \\ WGS.84 ID : SD900/1998 \end{array} \right.$ <b>REF NOTAM A1152/17</b>
2.3		'COLLINE 2' OBST elevation (FT)	Read « <b>1732</b> » instead of « 1736 » ' <i>COLLINE 2'</i> OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}00'29.4''S \\ 046^{\circ}57'54.1''E \end{array} \right. \\ ELEV : 528.00M (1732FT) \\ WGS.84 ID : SD902/1998 \end{array} \right.$ <b>REF NOTAM A1153/17</b>
2.4		'AMPASIKABO' OBST	Insert « <b>Pylône</b> <b>326</b> <b>(299)</b> »  ' <i>AMPASIKABO'</i> OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}01'43.0''S \\ 046^{\circ}59'22.7''E \end{array} \right. \\ TOP ALT : 99.50M (100M) (326FT) \\ AAL HGT : 92M (299FT) \end{array} \right.$
2.5		'FDN' DME	Delete « <b>115.3</b> »

### 3. CHART '09AD2-FMSD-IAC-CATAB-NDBDME26' (Old chart reference : '804 B-5' )

	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
<b>PLAN VIEW</b>			
3.1		Magnetic variation	Read « <b>DEC. 24° W (2020)</b> » instead of « DEC. 23° W (2010) »
3.2		'COLLINE AU SUD 1' OBST elevation and AAL height (FT)	Read « <b>293 (266)</b> » instead of « 308 (281) »  'COLLINE AU SUD 1' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}03'07.5''S \\ 046^{\circ}56'54.6''E \end{array} \right. \\ \text{ELEV : 89.40M (293FT)} \\ \text{AAL HGT : 266FT} \\ \text{WGS.84 ID : SD900/1998} \end{array} \right.$ <b>REF NOTAM A1151/17</b>
		'COLLINE AU SUD 2' OBST	Insert « <b>Point côté 309 (282)</b> » •  'COLLINE AU SUD 2' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}03'22.1''S \\ 046^{\circ}56'51.3''E \end{array} \right. \\ \text{ELEV : 94M (309FT)} \\ \text{AAL HGT : 86M (282FT)} \end{array} \right.$
3.3		'COLLINE 2' OBST elevation and AAL height (FT)	Read « <b>1732 (1705)</b> » instead of « 1733 (1706) »  'COLLINE 2' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}00'29.4''S \\ 046^{\circ}57'54.1''E \end{array} \right. \\ \text{ELEV : 528.00M (1732FT)} \\ \text{AAL HGT : 1705FT} \\ \text{WGS.84 ID : SD902/1998} \end{array} \right.$ <b>REF NOTAM A1154/17</b>
3.4		'AMPASIKABO' OBST	Insert « <b>Pylône 326 (299)</b> » ✱  'AMPASIKABO' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}01'43.0''S \\ 046^{\circ}59'22.7''E \end{array} \right. \\ \text{TOP ALT : 99.50M (100M) (326FT)} \\ \text{AAL HGT : 92M (299FT)} \end{array} \right.$ <b>Lighted Pylon</b>
<b>PROFILE VIEW</b>			
3.5	ALTITUDE DE TRANSITION : 4 000	Transition altitude (FT)	Read « <b>4500</b> » instead of « 4000 » <b>REF NOTAM A0058/16</b>

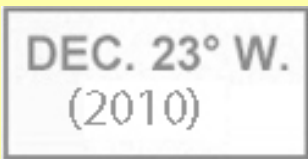



4. CHART '09AD2-FMSD-IAC-CATCD-NDBDME26' (Old chart reference : '804 B-4')

AFFECTED PART		UPDATE ITEM	UPDATE DETAILS																				
<b>PLAN VIEW</b>																							
4.1		Magnetic variation	Read « <b>DEC. 24° W (2020)</b> » instead of « DEC. 23° W (2010) »																				
4.2		'COLLINE AU SUD 1' OBST elevation and AAL height (FT)	Read « <b>293 (266)</b> » instead of « 308 (281) »  'COLLINE AU SUD 1' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}03'07.5''S \\ 046^{\circ}56'54.6''E \end{array} \right. \\ \text{ELEV : } 89.40M \text{ (293FT)} \\ \text{AAL HGT : } 266FT \\ \text{WGS.84 ID : } SD900/1998 \end{array} \right.$ <b>REF NOTAM A1151/17</b>																				
		'COLLINE AU SUD 2' OBST	Insert « <b>Point côté 309 (282)</b> » •  'COLLINE AU SUD 2' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}03'22.1''S \\ 046^{\circ}56'51.3''E \end{array} \right. \\ \text{ELEV : } 94M \text{ (309FT)} \\ \text{AAL HGT : } 86M \text{ (282FT)} \end{array} \right.$																				
4.3		'COLLINE 2' OBST elevation and AAL height (FT)	Read « <b>1732 (1705)</b> » instead of « 1733 (1706) »  'COLLINE 2' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}00'29.4''S \\ 046^{\circ}57'54.1''E \end{array} \right. \\ \text{ELEV : } 528.00M \text{ (1732FT)} \\ \text{AAL HGT : } 1705FT \\ \text{WGS.84 ID : } SD902/1998 \end{array} \right.$ <b>REF NOTAM A1154/17</b>																				
4.4		'AMPASIKABO' OBST	Insert « <b>Pylône 326 (299)</b> » ✱  'AMPASIKABO' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}01'43.0''S \\ 046^{\circ}59'22.7''E \end{array} \right. \\ \text{TOP ALT : } 99.50M \text{ (100M) (326FT)} \\ \text{AAL HGT : } 92M \text{ (299FT)} \end{array} \right.$ <b>Lighted pylon</b>																				
<b>PROFILE VIEW</b>																							
4.5		Transition altitude (FT)	Read « <b>4500</b> » instead of « 4000 » <b>REF NOTAM A0058/16</b>																				
<b>MINIMA</b>																							
4.6	<table border="1"> <thead> <tr> <th colspan="5">MVL</th> </tr> <tr> <th>OCA</th> <th>(OCH)</th> <th>MDA</th> <th>(MDH)</th> <th>VH</th> </tr> </thead> <tbody> <tr> <td>2694</td> <td>(2667)</td> <td>2700</td> <td>(2770)</td> <td>2400</td> </tr> <tr> <td>2694</td> <td>(2667)</td> <td>2700</td> <td>(2770)</td> <td>3600</td> </tr> </tbody> </table>	MVL					OCA	(OCH)	MDA	(MDH)	VH	2694	(2667)	2700	(2770)	2400	2694	(2667)	2700	(2770)	3600	'MVL' MDH (FT)	Read « <b>2670</b> » instead of « 2770 » <b>REF NOTAM A1575/16</b>
MVL																							
OCA	(OCH)	MDA	(MDH)	VH																			
2694	(2667)	2700	(2770)	2400																			
2694	(2667)	2700	(2770)	3600																			
<b>FOOTER</b>																							
4.7	 09AD2-FMSD-IAC-CATCD_NDB26	Chart reference	Read « 09AD2-FMSD-IAC-CATCD_NDBDME26 » instead of « 09AD2-FMSD-IAC-CATCD_NDB26 »																				

5. CHART '09AD2-FMSD-IAC-CATAB-NDB08' (Old chart reference : '804 B-7')

	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
	<b>PLAN VIEW</b>		
5.1		Magnetic variation	Read « <b>DEC. 24° W (2020)</b> » instead of « DEC. 23° W (2010) »
5.2		'COLLINE AU SUD 1' obstacle elevation and AAL height (FT)	Read « <b>293 (266)</b> » instead of « 292 (265) »  'COLLINE AU SUD 1' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}03'07.5''S \\ 046^{\circ}56'54.6''E \end{array} \right. \\ ELEV : 89.40M (293FT) \\ AAL HGT : 266FT \\ WGS.84 ID : SD900/1998 \end{array} \right.$  <b>REF NOTAM A1152/17</b>
5.3		'COLLINE 2' OBST elevation and AAL height (FT)	Read « <b>1732 (1705)</b> » instead of « 1736 (1709) »  'COLLINE 2' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}00'29.4''S \\ 046^{\circ}57'54.1''E \end{array} \right. \\ ELEV : 528.00M (1732FT) \\ AAL HGT : 1705FT \\ WGS.84 ID : SD902/1998 \end{array} \right.$  <b>REF NOTAM A1153/17</b>
5.4		'AMPASIKABO' OBST	Insert « <b>Pylône 326 (299)</b> » *  'AMPASIKABO' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}01'43.0''S \\ 046^{\circ}59'22.7''E \end{array} \right. \\ TOP ALT : 99.50M (100M) (326FT) \\ AAL HGT : 92M (299FT) \\ \text{Lighted pylon} \end{array} \right.$
5.5		'FDN' DME	Delete « <b>115.3</b> »

6. CHART '09AD2-FMSD-IAC-CATCD-NDB08' (Old chart reference : '804 B-6')

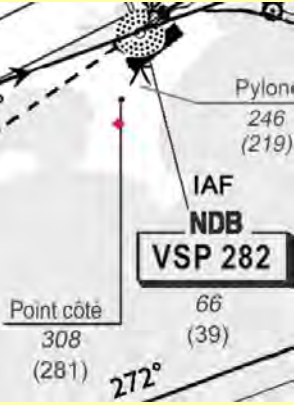
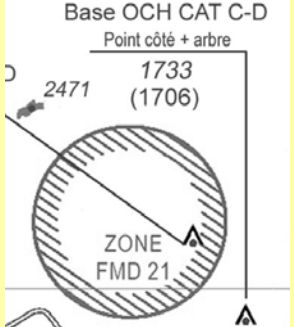
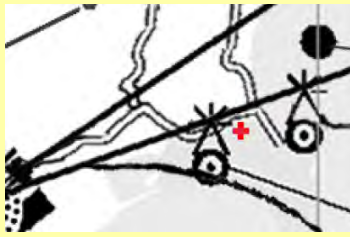
	AFFECTED PART	UPDATE ITEM	UPDATE DETAILS
	PLAN VIEW		
6.1		Magnetic variation	Read « <b>DEC. 24° W (2020)</b> » instead of « DEC. 23° W (2010) »
6.2		'COLLINE AU SUD 1' obstacle elevation (FT)	Read « <b>293</b> » instead of « 292 »  'COLLINE AU SUD 1' OBST { COORD { 25°03'07.5"S / 046°56'54.6"E } ELEV : 89.40M ( <b>293FT</b> ) AAL HGT : <b>266FT</b> WGS.84 ID : SD900/1998  <b>REF NOTAM A1152/17</b>
6.3		'COLLINE 2' OBST elevation (FT)	Read « <b>1732</b> » instead of « 1736 »  'COLLINE 2' OBST { COORD { 25°00'29.4"S / 046°57'54.1"E } ELEV : 528.00M ( <b>1732FT</b> ) WGS.84 ID : SD902/1998  <b>REF NOTAM A1153/17</b>
6.4		'AMPASIKABO' OBST	Insert « <b>Pylône</b> <b>326</b> » ✱ ( <b>299</b> )  'AMPASIKABO' OBST { COORD { 25°01'43.0"S / 046°59'22.7"E } TOP ALT : 99.50M (100M) ( <b>326FT</b> ) AAL HGT : 92M ( <b>299FT</b> ) <b>Lighted pylon</b>

7. CHART '09AD2-FMSD-IAC-CATAB-NDB26' (Old chart reference : '804 B-9')

	AFFETED PART	UPDATE ITEM	UPDATE DETAILS
<b>PLAN VIEW</b>			
7.1		Magnetic variation	Read « <b>DEC. 24° W (2020)</b> » instead of « DEC. 23° W (2010) »
7.2		'COLLINE AU SUD 1' OBST elevation and AAL height (FT)	Read « <b>293 (266)</b> » instead of « 308 (281) »  'COLLINE AU SUD 1' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}03'07.5''S \\ 046^{\circ}56'54.6''E \end{array} \right. \\ ELEV : 89.40M (293FT) \\ AAL HGT : 266FT \\ WGS.84 ID : SD900/1998 \end{array} \right.$ <b>REF NOTAM A1151/17</b>
		'COLLINE AU SUD 2' OBST	Insert « <b>Point côté 309 (282)</b> » •  'COLLINE AU SUD 2' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}03'22.1''S \\ 046^{\circ}56'51.3''E \end{array} \right. \\ ELEV : 94M (309FT) \\ AAL HGT : 86M (282FT) \end{array} \right.$
7.3		'COLLINE 2' OBST elevation and AAL height (FT)	Read « <b>1732 (1705)</b> » instead of « 1733 (1706) »  'COLLINE 2' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}00'29.4''S \\ 046^{\circ}57'54.1''E \end{array} \right. \\ ELEV : 528.00M (1732FT) \\ AAL HGT : 1705FT \\ WGS.84 ID : SD902/1998 \end{array} \right.$ <b>REF NOTAM A1154/17</b>
7.4		'AMPASIKABO' OBST	Insert « <b>Pylône 326 (299)</b> » ✱  'AMPASIKABO' OBST $\left\{ \begin{array}{l} COORD \left\{ \begin{array}{l} 25^{\circ}01'43.0''S \\ 046^{\circ}59'22.7''E \end{array} \right. \\ TOP ALT : 99.50M (100M) (326FT) \\ AAL HGT : 92M (299FT) \\ \text{Lighted pylon} \end{array} \right.$
<b>PROFILE VIEW</b>			
7.5		Transition altitude (FT)	Read « <b>4500</b> » instead of « 4000 » <b>REF NOTAM A0058/16</b>



**8. CHART '09AD2-FMSD-IAC-CATCD-NDB26'** (Old chart reference : '804 B-8')

AFFECTED PART		UPDATE ITEM	UPDATE DETAILS																
<b>PLAN VIEW</b>																			
8.1	DEC. 23°W (2010)	Magnetic variation	Read « <b>DEC. 24° W</b> (2020) » instead of « DEC. 23° W (2010) »																
8.2		'COLLINE AU SUD 1' OBST elevation and AAL height (FT)	Read « <b>293</b> (266) » instead of « 308 (281) »  'COLLINE AU SUD 1' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}03'07.5''S \\ 046^{\circ}56'54.6''E \end{array} \right. \\ \text{ELEV : 89.40M (293FT)} \\ \text{AAL HGT : 266FT} \\ \text{WGS.84 ID : SD900/1998} \end{array} \right.$  <b>REF NOTAM A1151/17</b>																
		'COLLINE AU SUD 2' OBST	Insert « <b>Point cote</b> <b>309</b> (282) » •  'COLLINE AU SUD 2' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}03'22.1''S \\ 046^{\circ}56'51.3''E \end{array} \right. \\ \text{ELEV : 94M (309FT)} \\ \text{AAL HGT : 86M (282FT)} \end{array} \right.$																
8.3		'COLLINE 2' OBST elevation and AAL height (FT)	Read « <b>1732</b> (1705) » instead of « 1733 (1706) »  'COLLINE 2' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}00'29.4''S \\ 046^{\circ}57'54.1''E \end{array} \right. \\ \text{ELEV : 528.00M (1732FT)} \\ \text{AAL HGT : 1705FT} \\ \text{WGS.84 ID : SD902/1998} \end{array} \right.$  <b>REF NOTAM A1154/17</b>																
8.4		'AMPASIKABO' OBST	Insert « <b>Pylône</b> <b>326</b> (299) » ✱  'AMPASIKABO' OBST $\left\{ \begin{array}{l} \text{COORD } \left\{ \begin{array}{l} 25^{\circ}01'43.0''S \\ 046^{\circ}59'22.7''E \end{array} \right. \\ \text{TOP ALT : 99.50M (100M) (326FT)} \\ \text{AAL HGT : 92M (299FT)} \end{array} \right.$  <b>Lighted pylon</b>																
<b>PROFILE VIEW</b>																			
8.5	ALTITUDE DE TRANSITION : 4 000	Transition altitude (FT)	Read « <b>4500</b> » instead of « 4000 »  <b>REF NOTAM A0058/16</b>																
<b>MINIMA</b>																			
8.6	<table border="1"> <thead> <tr> <th colspan="4">NDB "VSP"</th> </tr> <tr> <th>OCA (OCH)</th> <th>MDA (MDH)</th> <th colspan="2">RVR</th> </tr> </thead> <tbody> <tr> <td>1962 (1935)</td> <td>1970 (1930)</td> <td colspan="2">2000</td> </tr> <tr> <td>1962 (1935)</td> <td>1970 (1930)</td> <td colspan="2">2000</td> </tr> </tbody> </table>	NDB "VSP"				OCA (OCH)	MDA (MDH)	RVR		1962 (1935)	1970 (1930)	2000		1962 (1935)	1970 (1930)	2000		« NDB "VSP" » MDH (FT)	Read « <b>1940</b> » instead of « 1930 »  <b>REF NOTAM A1322/16</b>
	NDB "VSP"																		
OCA (OCH)	MDA (MDH)	RVR																	
1962 (1935)	1970 (1930)	2000																	
1962 (1935)	1970 (1930)	2000																	
8.7	<table border="1"> <thead> <tr> <th colspan="4">MVL</th> </tr> <tr> <th>OCA (OCH)</th> <th>MDA (MDH)</th> <th colspan="2">VH</th> </tr> </thead> <tbody> <tr> <td>2694 (2667)</td> <td>2700 (2770)</td> <td colspan="2">2400</td> </tr> <tr> <td>2694 (2667)</td> <td>2700 (2770)</td> <td colspan="2">3600</td> </tr> </tbody> </table>	MVL				OCA (OCH)	MDA (MDH)	VH		2694 (2667)	2700 (2770)	2400		2694 (2667)	2700 (2770)	3600		"MVL" MDH (FT)	Read « <b>2670</b> » instead of « 2770 »  <b>REF NOTAM A1322/16</b>
MVL																			
OCA (OCH)	MDA (MDH)	VH																	
2694 (2667)	2700 (2770)	2400																	
2694 (2667)	2700 (2770)	3600																	

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