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AIP AMENDMENT: AIRAC 005-25
EFFECTIVE DATE: 07-AUG-2025

1. AIRAC changes incorporated in this AIP Amendment:

GEN

NIL

ENR

5.4 TOCHA II - NEW WINDMILL.

AD

AD 2 LPAZ AD - 2.19 - ILS RWY 18 MM WITHDRAWN.
LPPR AD - 2.20 - 7. ILS CAT I/II OPERATIONS – ILS APPROACH AND ILS OPERATIONS - REMOVED.
LPPR AD - 2.22 – 7. PBN EQUIPPED AIRCRAFT – NEW INFORMATION.

LPPR AD - 2.24.08-1, 2.24.08-3, 2.24.08-5, 2.24.08-7 – MSA CHANGED.
LPPR AD - 2.24.10-1, 2.24.10-3, 2.24.12-1, 2.24.12-3, 2.24.12-5, 2.24.12-7, 2.24.12-9 – MSA AND RETMO HOLDING INBOUND TRACK CHANGED.
LPPR AD – 2.24.12-11 AND 2.24.12-13 – NEW CHARTS

2. NON-AIRAC changes incorporated in this AIP Amendment:

GEN

NIL

ENR

NIL

AD

NIL

3. This AIP Amendment incorporates information contained in the following publications:
NOTAM Series A: A2331/25 and A2496/25.

NOTAM incorporated in this AMDT will be cancelled by NOTAMC on 20-AUG-2025.

4. Insert / remove the pages as shown in list on the next page(s):

Insert the following pages

GEN 0.2 - 1/2	07-AUG-2025
GEN 0.3 - 1/2	07-AUG-2025 / 07-AUG-2025
GEN 0.3 - 3/4	07-AUG-2025 / 07-AUG-2025
GEN 0.3 - 5/6	07-AUG-2025
GEN 0.4 - 1/2	07-AUG-2025 / 07-AUG-2025
GEN 0.4 - 3/4	07-AUG-2025 / 07-AUG-2025
ENR 5.4 - 53/54	31-OCT-2024 / 07-AUG-2025
ENR 5.4 - 55/56	07-AUG-2025 / 07-AUG-2025
ENR 5.4 - 57/58	07-AUG-2025 / 07-AUG-2025
ENR 5.4 - 59/60	07-AUG-2025
LPPR AD 2 - 17/18	07-AUG-2025 / 07-AUG-2025
LPPR AD 2 - 21/22	31-OCT-2024 / 07-AUG-2025
LPPR AD 2 - 23/24	07-AUG-2025 / 07-AUG-2025
LPPR AD 2.24.08-1 - 1/2	07-AUG-2025 / 12-AUG-2021
LPPR AD 2.24.08-3 - 3/4	07-AUG-2025 / 12-AUG-2021
LPPR AD 2.24.08-5 - 5/6	07-AUG-2025 / 12-AUG-2021
LPPR AD 2.24.08-7 - 7/8	07-AUG-2025 / 12-AUG-2021
LPPR AD 2.24.10-1 - 1/2	07-AUG-2025 / 12-AUG-2021
LPPR AD 2.24.10-3 - 3/4	07-AUG-2025 / 24-MAR-2022
LPPR AD 2.24.12-1 - 1/2	07-AUG-2025
LPPR AD 2.24.12-3 - 3/4	07-AUG-2025
LPPR AD 2.24.12-5 - 5/6	07-AUG-2025
LPPR AD 2.24.12-7 - 7/8	07-AUG-2025
LPPR AD 2.24.12-9 - 9/10	07-AUG-2025 / 12-AUG-2021
LPPR AD 2.24.12-11 - 11/12	07-AUG-2025 / 07-AUG-2025
LPPR AD 2.24.12-13 - 13/14	07-AUG-2025 / 07-AUG-2025
LPAZ AD 2 - 9/10	07-AUG-2025 / 07-AUG-2025
LPAZ AD 2 - 11/12	07-AUG-2025

Remove the following pages

GEN 0.2 - 1/2	10-JUL-2025 / N/A
GEN 0.3 - 1/2	10-JUL-2025 / 10-JUL-2025
GEN 0.3 - 3/4	10-JUL-2025 / 10-JUL-2025
GEN 0.4 - 1/2	10-JUL-2025 / 10-JUL-2025
GEN 0.4 - 3/4	10-JUL-2025 / 10-JUL-2025
ENR 5.4 - 53/54	31-OCT-2024 / 31-OCT-2024
ENR 5.4 - 55/56	31-OCT-2024 / 31-OCT-2024
ENR 5.4 - 57/58	31-OCT-2024 / 31-OCT-2024
ENR 5.4 - 59/60	31-OCT-2024 / N/A
LPPR AD 2 - 17/18	31-OCT-2024 / 31-OCT-2024
LPPR AD 2 - 21/22	31-OCT-2024 / 31-OCT-2024
LPPR AD 2 - 23/24	20-MAR-2025 / 10-JUL-2025
LPPR AD 2.24.08-1 - 1/2	02-DEC-2021 / 12-AUG-2021
LPPR AD 2.24.08-3 - 3/4	02-DEC-2021 / 12-AUG-2021
LPPR AD 2.24.08-5 - 5/6	02-DEC-2021 / 12-AUG-2021
LPPR AD 2.24.08-7 - 7/8	02-DEC-2021 / 12-AUG-2021
LPPR AD 2.24.10-1 - 1/2	02-DEC-2021 / 12-AUG-2021
LPPR AD 2.24.10-3 - 3/4	24-MAR-2022 / 24-MAR-2022
LPPR AD 2.24.12-1 - 1/2	02-DEC-2021 / N/A
LPPR AD 2.24.12-3 - 3/4	30-NOV-2023 / N/A
LPPR AD 2.24.12-5 - 5/6	14-JUL-2022 / N/A
LPPR AD 2.24.12-7 - 7/8	14-JUL-2022 / N/A
LPPR AD 2.24.12-9 - 9/10	02-DEC-2021 / 12-AUG-2021
LPAZ AD 2 - 9/10	22-FEB-2024 / 10-JUL-2025
LPAZ AD 2 - 11/12	30-NOV-2023 / N/A

GEN 0.2 RECORD OF AIP AMENDMENTS

AIP AMENDMENT			
NR/Year	*Publication date*	*Date inserted*	*Inserted by*
018/2020	13-Feb-2020	28-Feb-2020	
019/2020	04-Jun-2020	19-Jun-2020	
020/2021	11-Feb-2021	26-Feb-2021	
021/2023	12-Jan-2023	27-Jan-2023	
022/2023	10-Mar-2023	26-Mar-2023	

AIRAC AIP AMENDMENT			
NR/Year	*Publication date*	*Effective Date*	*Inserted by*
003/2020	24-Sep-2020	05-Nov-2020	
004/2020	22-Oct-2020	03-Dec-2020	
001/2021	14-Jan-2021	25-Feb-2021	
002/2021	08-Apr-2021	20-May-2021	
003/2021	01-Jul-2021	12-Aug-2021	
004/2021	26-Aug-2021	07-Oct-2021	
005/2021	21-Oct-2021	02-Dec-2021	
001/2022	10-Feb-2022	24-Mar-2022	
002/2022	24-Mar-2022	19-May-2022	
003/2022	02-Jun-2022	14-Jul-2022	
004/2022	25-Aug-2022	06-Oct-2022	
005/2022	20-Oct-2022	01-Dec-2022	
001/2023	09-Feb-2023	23-Mar-2023	
002/2023	04-May-2023	15-Jun-2023	
003/2023	01-Jun-2023	13-Jul-2023	
004/2023	29-Jun-2023	10-Aug-2023	
005/2023	19-Oct-2023	30-Nov-2023	
001/2024	11-Jan-2024	22-Feb-2024	
002/2024	21-Mar-2024	16-May-2024	
003/2024	30-May-2024	11-Jul-2024	
004/2024	19-Sep-2024	31-Oct-2024	
001/2025	12-Dec-2024	23-Jan-2025	
002/2025	06 FEB 2025	20 MAR 2025	
003/2025	03 APR 2025	15 MAY 2025	
004/2025	29 MAI 2025	10 JUL 2025	
005/2025	26 JUN 2025	07 AUG 2025	

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GEN 0.3 RECORD OF AIP SUPPLEMENTS

NR/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
008/2013	LPFL - OBSTACLES PROTRUDING TRANSITIONAL SURFACE	AD	27-JUN-2013 UFN	
013/2013	LPPC - OBSTACLE ERECTED IN LISBOA (CITY)	ENR	27-JUN-2013 UFN	
014/2013	LPPC - OBSTACLE LIGHTS OUT OF SERVICE	ENR	27-JUN-2013 UFN	
013/2018	LPVR AD - RWY 02 APCH LIGHTS OUT OF SERVICE	AD	02-FEB-2018 UFN	
031/2018	LPPO FIR - DVORTAC VFL TACAN PART OUT OF SERVICE	AD, ENR	13-SEP-2018 UFN	
054/2018	LPLA AD - INSTRUMENT APPROACH PROCEDURES CHANGED	AD	07-DEC-2018 UFN	
007/2020	LPLA - METAR WIND INFORMATION LIMITATIONS	AD	03-JAN-2020 UFN	
024/2020	LPBJ AD - LANDING AREA LIGHTING ACTIVATION DELAYS	AD	19-JUN-2020 UFN	
032/2020	LPPC FIR - OFFSHORE WIND FARM	ENR	19-JUN-2020 UFN	
044/2020	LPBJ AD - THR IDENTIFIER LIGHTS U/S	AD	05-NOV-2020 UFN	
002/2021	LPPC FIR - ATS CONTINGENCY ROUTES FOR MADEIRA SECTOR DUE TO RADAR INOPERATIVE	ENR	26-FEB-2021 09-JUL-2025	AIP SUP 065/2025
072/2021	LPPT AD - TAXIWAY K CLOSED	AD	02-DEC-2021 UFN	
001/2022	LPBJ AD - FIRE FIGHTING AND RESCUE	AD	24-MAR-2022 UFN	
019/2022	LPBJ AD - TWY H EDGE LIGHTS U/S	AD	19-MAY-2022 UFN	
004/2023	LPLA AD - OBSTACLES (ANTENNAS)	AD	27-JAN-2023 UFN	
027/2023	LPFR AD - STAND CLOSED	AD	23-MAR-2023 UFN	
030/2023	LPPS AD - RWY 18 TURN PAD CLOSED	AD	23-MAR-2023 UFN	
062/2023	LPPT AD - OBSTACLES ERECTED	AD	10-AUG-2023 31-JUL-2025 EST	
003/2024	LPPC FIR - OBSTACLE ERECTED	ENR	22-FEB-2024 31-DEC-2025 EST	
006/2024	LPPT AD - OBSTACLE ERECTED	AD	22-FEB-2024 06-AUG-2025	AIP SUP 070/2025
007/2024	LPPT AD - OBSTACLE ERECTED	AD	22-FEB-2024 09-JUL-2025	AIP SUP 060/2025
008/2024	LPPT AD - OBSTACLE ERECTED	AD	22-FEB-2024 09-JUL-2025	AIP SUP 057/2025
046/2024	LPPT AD - OBSTACLE ERECTED	AD	11-JUL-2024 26-OCT-2025 EST	
057/2024	LPPT AD - OBSTACLE ERECTED	AD	31-OCT-2024 01-AUG-2025 EST	

NR/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
060/2024	LPBJ AD - OBSTACLE LIGHTS U/S	AD	31-OCT-2024 UFN	
062/2024	LPPS AD - PAVEMENT STRUCTURE LIMITATIONS	AD	31-OCT-2024 06-AUG-2025	AIP SUP 071/2025
064/2024	LPPI AD - RWY AND APCH LIGHTS CONTROL N/A	AD	31-OCT-2024 06-AUG-2025	AIP SUP 072/2025
065/2024	LPPI AD - RTIL RWY 09/27 U/S	AD	31-OCT-2024 06-AUG-2025	AIP SUP 073/2025
066/2024	LPPC FIR - OBSTACLE ERECTED (TOWER) - ALPIARÇA - SANTARÉM	ENR	31-OCT-2024 21-NOV-2025 EST	
067/2024	LPPC FIR – OBSTACLE ERECTED (TWO TOWERS) - HERDADE DA LAMPREIA - ABRANTES	ENR	31-OCT-2024 09-JUL-2025	AIP SUP 058/2025
068/2024	LPPC FIR - OBSTACLE ERECTED (TOWER) - SOUSEL	ENR	31-OCT-2024 09-JUL-2025	AIP SUP 059/2025
070/2024	LPPT AD - OBSTACLE ERECTED (CRANE-GT1)	AD	31-OCT-2024 31-MAR-2026 EST	
075/2024	LPBJ AD - OBSTACLE ERECTED	AD	31-OCT-2024 UFN	
076/2024	UKRANIAN CRISIS - FIR RESTRICTIONS	ENR	31-OCT-2024 26-SEP-2025 EST	
083/2024	LPPT AD - MAJOR WORKS - EXTENSION OF APRON 10 AND NEW APRON 23	AD	31-OCT-2024 UFN	
001/2025	LPPC FIR - OBSTACLE ERECTED (TOWER 2) - SOUSEL	ENR	23-JAN-2025 26-SEP-2025 EST	
002/2025	LPPR AD - RWY 17/35 CLOSED	AD	23-JAN-2025 06-AUG-2025	AIP SUP 067/2025
003/2025	LPPR AD - MOBILE CRANE ERECTED	AD	23-JAN-2025 01-AUG-2025 EST	
004/2025	VOR/DME VSM VOR PART U/S	ENR, AD	23-JAN-2025 31-DEC-2025 EST	
005/2025	LPPT AD - OBSTACLE ERECTED (CRANE)	AD	23-JAN-2025 30-JUN-2025 EST	
007/2025	LPSO AD - TOWER ERECTED	AD	23-JAN-2025 31-MAR-2026 EST	
008/2025	LPPR AD - A-SMGCS DOWNGRADED	AD	23-JAN-2025 06-AUG-2025	AIP SUP 069/2025
009/2025	LPPT TMA - VFR ROUTE CLOSED (TNW)	ENR	23-JAN-2025 31-DEC-2025 EST	
010/2025	LPPT TMA - VFR LIMITATIONS	ENR	23-JAN-2025 31-DEC-2025 EST	
011/2025	LPPS AD - IAP PART LPV RWY 18/36 SUSPENDED	ENR	23-JAN-2025 31-DEC-2025 EST	
012/2025	LPMA AD - FUEL 100LL NOT AVAILABLE	AD	23-JAN-2025 31-DEC-2025 EST	
013/2025	LPPT AD - ACFT CODE D AND CODE E TWY RESTRICTIONS	AD	23-JAN-2025 31-DEC-2025 EST	
014/2025	LPPR AD - RETIL U/S	AD	23-JAN-2025 31-DEC-2025 EST	
015/2025	LPCS AD - OBSTACLE ERECTED	AD	23-JAN-2025 06-AUG-2025	AIP SUP 068/2025
017/2025	LPPR AD - OBSTACLE LIGHTS U/S	AD	23-JAN-2025 31-DEC-2025 EST	

NR/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
018/2025	LPAZ AD - TWR OBSTACLE LIGHTS U/S	AD	23-JAN-2025 31-DEC-2025 EST	
019/2025	LPCS AD - OBSTACLE ERECTED (EN 227-5)	AD	23-JAN-2025 31-AUG-2025 EST	
020/2025	LPEV AD - PAPI RWY 19 U/S	AD	23-JAN-2025 06-AUG-2025	AIP SUP 077/2025
021/2025	LPPT AD - OBSTACLE ERECTED (CIDADE UNIVERSITÁRIA DE LISBOA - CRANE 3)	AD	23-JAN-2025 31-JUL-2026 EST	
025/2025	LPPD AD - STOPBAR TWY “E”	AD	23-JAN-2025 09-JUL-2025	AIP SUP 063/2025
026/2025	LPPC FIR - UNMANNED AERIAL VEHICLE ACTIVITY	ENR	23-JAN-2025 09-JUL-2025	AIP SUP 066/2025
027/2025	LPPC FIR - UNMANNED AIRCRAFT SYSTEMS (UAS) WITHIN R51BN/R51BS (LPBJ)	ENR	23-JAN-2025 09-JUL-2025	AIP SUP 066/2025
028/2025	LPPC FIR - UNMANNED AIRCRAFT SYSTEMS (UAS)	ENR	23-JAN-2025 09-JUL-2025	AIP SUP 066/2025
030/2025	LPPC FIR - UNMANNED AIRCRAFT SYSTEMS (UAS) WITHIN LPR43C	ENR	20-MAR-2025 31-DEC-2025 EST	
031/2025	LPPC FIR - UNMANNED AERIAL VEHICLE ACTIVITY	ENR	20-MAR-2025 31-DEC-2025 EST	
032/2025	LPMA AD - TEMPORARY PARKING RESTRICTIONS	AD	20-MAR-2025 15-JAN-2026 EST	
034/2025	LPEV AD - RWY 07/25 CLOSED	AD	20-MAR-2025 31-DEC-2025 EST	
036/2025	LPPT AD – MAJOR WORKS - EXTENSION OF APRON 10 AND NEW APRON 23	AD	20-MAR-2025 31-AUG-2025 EST	
037/2025	LPPD AD - STOPBAR TWY “C”	AD	20-MAR-2025 09-JUL-2025	AIP SUP 062/2025
038/2025	LPPT AD - OBSTACLE ERECTED (CIDADE UNIVERSITÁRIA DE LISBOA - CRANE 2)	AD	20-MAR-2025 31-JUL-2026 EST	
039/2025	LPPD AD - OBSTACLE ERECTED (R. DIREITA DO RAMALHO - PONTA DELGADA)	AD	20-MAR-2025 30-SEP-2025 EST	
040/2025	LPPT AD - RWY 20 BARRETTE APCH LIGHTING SYSTEM	AD	20-MAR-2025 31-DEC-2025 EST	
041/2025	LPPD AD - NEW ATCSMAC	AD	20-MAR-2025 09-JUL-2025	NOTAM A1530/25
042/2025	RUSSIAN FEDERATION - OPERATION RESTRICTIONS IN PORTUGUESE TERRITORY	ENR	15-MAY-2025 28-FEB-2026 EST	
043/2025	LPCS AD - USE OF TERMINAL BUILDING	AD	15-MAY-2025 31-DEC-2025 EST	
044/2025	LPPC FIR - OBSTACLES ERECTED	ENR	15-MAY-2025 31-MAR-2026 EST	
045/2025	LPPT AD – CRANE ERECTED (CAMPO NOVO)	AD	15-MAY-2025 30-SEP-2025 EST	
046/2025	BELARUSSIAN AIRCRAFT RESTRICTIONS	ENR	15-MAY-2025 28-FEB-2026 EST	
047/2025	LPPC FIR - OBSTACLE ERECTED (CRANE)	ENR	15-MAY-2025 31-JAN-2026 EST	
048/2025	LPCS AD - OBSTACLE ERECTED	AD	15-MAY-2025 31-AUG-2025 EST	
049/2025	LPPT AD - VEHICLE SERVICE ROAD CONNECTION BETWEEN APRON 12 AND APRON 60	AD	01-MAY-2025 31-OCT-2025 EST	

NR/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
050/2025	LPPT AD - PARKING RESTRICTIONS	AD	10-JUL-2025 31-OCT-2025 EST	
051/2025	LPFR AD - RESCUE AND FIRE FIGHTING SERVICES	AD	10-JUL-2025 25-OCT-2025 EST	
052/2025	LPPT AD - OBSTACLE ERECTED (CRANE)	AD	10-JUL-2025 28-JUL-2025 EST	
053/2025	LPPC FIR - FÓIA MSSR STATION	ENR	10-JUL-2025 31-OCT-2025 EST	
054/2025	LPPT AD - OBSTACLE ERECTED (CRANE 2)	AD	10-JUL-2025 31-MAY-2026 EST	
055/2025	LPPT AD - OBSTACLE ERECTED (CRANE 4)	AD	10-JUL-2025 31-MAY-2026 EST	
056/2025	LPMA AD - OBSTACLE ERECTED (CRANE)	AD	10-JUL-2025 15-APR-2026 EST	
057/2025	LPPT AD - OBSTACLE ERECTED (CRANE 2)	AD	10-JUL-2025 31-DEC-2026 EST	
058/2025	LPPC FIR – OBSTACLES ERECTED (TWO TOWERS) - HERDADE DA LAMPREIA - ABRANTES	ENR	10-JUL-2025 31-DEC-2025 EST	
059/2025	LPPC FIR - OBSTACLE ERECTED (TOWER) - SOUSEL	ENR	10-JUL-2025 31-DEC-2025 EST	
060/2025	LPPT AD - OBSTACLE ERECTED (CRANE 1)	AD	10-JUL-2025 31-DEC-2026 EST	
061/2025	LPPT AD - OBSTACLE ERECTED (CRANE 1)	AD	10-JUL-2025 01-JUN-2026 EST	
062/2025	LPPD AD - STOPBAR TWY “C”	AD	10-JUL-2025 31-DEC-2025 EST	
063/2025	LPPD AD - STOPBAR TWY “E”	AD	10-JUL-2025 31-DEC-2025 EST	
064/2025	LPPD AD - STOPBAR TWY “D”	AD	10-JUL-2025 31-DEC-2025 EST	
065/2025	LPPC FIR - ATS CONTINGENCY ROUTES FOR MADEIRA SECTOR DUE TO RADAR INOPERATIVE	ENR	10-JUL-2025 UFN	
066/2025	LPPC FIR - UNMANNED AIRCRAFT SYSTEMS (UAS)	ENR	10-JUL-2025 31-DEC-2025	
067/2025	LPPR AD - WORKS ON RWY 17/35	AD	07-AUG-2025 28-MAR-2026 EST	
068/2025	LPCS AD - OBSTACLE ERECTED	AD	07-AUG-2025 30-SEP-2025 EST	
069/2025	LPPR AD - A-SMGCS DOWNGRADED	AD	07-AUG-2025 30-NOV-2025 EST	
070/2025	LPPT AD - OBSTACLE ERECTED	AD	07-AUG-2025 30-OCT-2025 EST	
071/2025	LPPS AD - PAVEMENT STRUCTURE LIMITATIONS	AD	07-AUG-2025 31-DEC-2026 EST	
072/2025	LPPI AD - RWY AND APCH LIGHTS CONTROL N/A	AD	07-AUG-2025 30-JUN-2026 EST	
073/2025	LPPI AD - RTIL RWY 09/27 U/S	AD	07-AUG-2025 30-JUN-2026 EST	
074/2025	LPPR AD - GROUND FREQUENCY	AD	07-AUG-2025 31-DEC-2025 EST	
075/2025	LPPR AD - CONTROL FREQUENCY	AD	07-AUG-2025 31-DEC-2025 EST	

NR/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
076/2025	LPPT AD - OBSTACLE ERECTED (CRANE)	AD	07-AUG-2025 17-FEB-2027 EST	
077/2025	LPEV AD - PAPI RWY 19 U/S	AD	07-AUG-2025 30-SEP-2025 EST	
078/2025	LPPC FIR - REPMUS 2025 - MILITARY EXERCISE	ENR	01-SEP-2025 26-SEP-2025	

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GEN 0.4 CHECKLIST OF AIP PAGES

PART 1 – GENERAL (GEN)

Page	Date
GEN 0.1 - 1	20-MAY-2021
GEN 0.1 - 2	20-MAY-2021
GEN 0.2 - 1	07-AUG-2025
GEN 0.3 - 1	07-AUG-2025
GEN 0.3 - 2	07-AUG-2025
GEN 0.3 - 3	07-AUG-2025
GEN 0.3 - 4	07-AUG-2025
GEN 0.3 - 5	07-AUG-2025
GEN 0.3 - 6	07-AUG-2025
GEN 0.4 - 1	07-AUG-2025
GEN 0.4 - 2	07-AUG-2025
GEN 0.4 - 3	07-AUG-2025
GEN 0.4 - 4	07-AUG-2025
GEN 0.5 - 1	09-JUN-2006
GEN 0.6 - 1	09-NOV-2017
GEN 0.6 - 2	09-NOV-2017
GEN 0.6 - 3	09-NOV-2017
GEN 1.1 - 1	20-MAR-2025
GEN 1.1 - 2	20-MAR-2025
GEN 1.1 - 3	20-MAR-2025
GEN 1.2 - 1	01-DEC-2022
GEN 1.2 - 2	01-DEC-2022
GEN 1.2 - 3	31-OCT-2024
GEN 1.2 - 4	31-OCT-2024
GEN 1.2 - 5	01-DEC-2022
GEN 1.2 - 6	01-DEC-2022
GEN 1.2 - 7	01-DEC-2022
GEN 1.2 - 8	01-DEC-2022
GEN 1.2 - 9	01-DEC-2022
GEN 1.2 - 10	01-DEC-2022
GEN 1.2 - 11	31-OCT-2024
GEN 1.2 - 12	01-DEC-2022
GEN 1.2 - 13	01-DEC-2022
GEN 1.3 - 1	23-JAN-2025
GEN 1.3 - 2	AIRAC 007-14 13-NOV-2014
GEN 1.4 - 1	09-JUN-2006
GEN 1.5 - 1	06-JAN-2017
GEN 1.5 - 2	26-FEB-2021
GEN 1.6 - 1	19-JUN-202009-NOV-2017
GEN 1.6 - 2	19-JUN-2020
GEN 1.7 - 1	31-OCT-2024
GEN 1.7 - 2	31-OCT-2024
GEN 1.7 - 3	31-OCT-2024
GEN 1.7 - 4	23-MAY-2019
GEN 1.7 - 5	28-MAR-2019
GEN 1.7 - 6	31-OCT-2024
GEN 1.7 - 7	31-OCT-2024
GEN 1.7 - 8	31-OCT-2024
GEN 1.7 - 9	31-OCT-2024
GEN 1.7 - 10	31-OCT-2024
GEN 1.7 - 11	31-OCT-2024
GEN 2.1 - 1	AIRAC 007-13 12-DEC-2013
GEN 2.1 - 2	24-MAR-2022
GEN 2.2 - 1	30-NOV-2023
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GEN 2.2 - 3	20-MAR-2025
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LPVR AD 2.24.12 - 1	19-MAY-2022
LPVR AD 2.24.12 - 2	19-MAY-2022
LPVR AD 2.24.13 - 1	19-MAY-2022

Designation	Type of obstacle	Coordinates	ELEV/ HGT GND	OBST LGT Type/Colour
1	2	3	4	5
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (26/40)	412825N 0080523W	789M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (27/40)	412819N 0080518W	829M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (28/40)	412812N 0080444W	866M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (29/40)	412832N 0080419W	885M / 110M	By day: Flashing white light By night: Fixed Red Light
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (30/40)	412820N 0080423W	875M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (31/40)	412805N 0080422W	937M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (32/40)	412754N 0080427W	949M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (33/40)	412745N 0080440W	924M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (34/40)	412736N 0080444W	898M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (35/40)	412747N 0080416W	944M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (36/40)	412748N 0080402W	951M / 110M	By day: Flashing white light By night: Fixed Red Light
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (37/40)	412739N 0080409W	933M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (38/40)	412729N 0080416W	933M / 110M	
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (39/40)	412718N 0080436W	887M / 110M	By day: Flashing white light By night: Fixed Red Light
TERRAS ALTAS DE FAFE (CELORICO DE BASTO)	AEOLIC PARK (40/40)	412759N 0080541W	793M / 110M	By day: Flashing white light By night: Fixed Red Light
TESTOS	WINDMILL (1/14)	405943N 0075102W	1155M / 126M	By Day: flashing white light By Night: Fixed red light
TESTOS	WINDMILL (2/14)	405933N 0075103W	1180M / 126M	
TESTOS	WINDMILL (3/14)	405923N 0075102W	1183M / 126M	
TESTOS	WINDMILL (4/14)	405914N 0075058W	1179M / 126M	
TESTOS	WINDMILL (5/14)	405911N 0075122W	1153M / 126M	By Day: flashing white light By Night: Fixed red light
TESTOS	WINDMILL (6/14)	405908N 0075024W	1165M / 126M	By Day: flashing white light By Night: Fixed red light
TESTOS	WINDMILL (7/14)	405857N 0075049W	1190M / 126M	
TESTOS	WINDMILL (8/14)	405847N 0075111W	1191M / 126M	By Day: flashing white light By Night: Fixed red light
TESTOS	WINDMILL (9/14)	405843N 0075053W	1186M / 126M	
TESTOS	WINDMILL (10/14)	405832N 0075047W	1164M / 126M	
TESTOS	WINDMILL (11/14)	405826N 0075103W	1158M / 126M	
TESTOS	WINDMILL (12/14)	405822N 0075041W	1166M / 126M	By Day: flashing white light By Night: Fixed red light
TESTOS	WINDMILL (13/14)	405957N 0075054W	1158M / 145M	
TESTOS	WINDMILL (14/14)	405808N 0075048W	1144M / 145M	By Day: flashing white light By Night: Fixed red light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (1/22)	405900N 0074854W	1133M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (2/22)	405908N 0074901W	1132M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (3/22)	405743N 0075019W	1145M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (4/22)	405804N 0075028W	1137M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (5/22)	405759N 0075009W	1158M / 126M	

Designation	Type of obstacle	Coordinates	ELEV/ HGT GND	OBST LGT Type/Colour
1	2	3	4	5
TESTOS II - LAMEGO - TAROUCA	WINDMILL (6/22)	405814N 0075010W	1158M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (7/22)	405829N 0075012W	1151M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (8/22)	405844N 0075012W	1154M / 126M	
TESTOS II - LAMEGO - TAROUCA	WINDMILL (9/22)	405855N 0075009W	1149M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (10/22)	405919N 0075137W	1178M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (11/22)	405918N 0075149W	1158M / 126M	
TESTOS II - LAMEGO - TAROUCA	WINDMILL (12/22)	405925N 0075159W	1159M /126M	
TESTOS II - LAMEGO - TAROUCA	WINDMILL (13/22)	405925N 0075214W	1176M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (14/22)	405934N 0075216W	1188M / 126M	
TESTOS II - LAMEGO - TAROUCA	WINDMILL (15/22)	405939N 0075225W	1176M / 126M	
TESTOS II - LAMEGO - TAROUCA	WINDMILL (16/22)	405951N 0075225W	1154M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (17/22)	405959N 0075229W	1149M / 126M	
TESTOS II - LAMEGO - TAROUCA	WINDMILL (18/22)	410003N 0075149W	1150M / 126M	
TESTOS II - LAMEGO - TAROUCA	WINDMILL (19/22)	410003N 0075203W	1158M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (20/22)	410012N 0075216W	1128M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (21/22)	410011N 0075044W	1129M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TESTOS II - LAMEGO - TAROUCA	WINDMILL (22/22)	410019N 0075048W	1138M / 126M	By Day: Flashing White Light By Night: Fixed Red Light
TOCHA - CANTANHEDE	WINDMILL (1/5)	401924N 0084914W	169M / 145M	
TOCHA - CANTANHEDE	WINDMILL (2/5)	401928N 0084838W	175M / 145M	By day: Flashing white Light By night: Fixed Red Light
TOCHA - CANTANHEDE	WINDMILL (3/5)	401902N 0084927W	167M / 145M	By day: Flashing white Light By night: Fixed Red Light
TOCHA - CANTANHEDE	WINDMILL (4/5)	401907N 0084850W	175M / 145M	By day: Flashing white Light By night: Fixed Red Light
TOCHA - CANTANHEDE	WINDMILL (5/5)	401851N 0084904W	175M / 145M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (1/9)	402032N 0084920W	196M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (2/9)	402256N 0084910W	197M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (3/9)	402119N 0084900W	194M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (4/9)	402144N 0084849W	194M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (5/9)	402207N 0084838W	196M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (6/9)	402234N 0084827W	197M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (7/9)	402300N 0084815W	194M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (8/9)	402256N 0084751W	201M / 180M	By day: Flashing white Light By night: Fixed Red Light
TOCHA II	WINDMILL (9/9)	402251N 0084727W	201M / 180M	By day: Flashing white Light By night: Fixed Red Light
TODO O MUNDO / CADAVAL	WINDMILL (1/5)	391718N 0090157W	373M / 120M	By day: Flashing White lights By night: Fixed Red lights
TODO O MUNDO / CADAVAL	WINDMILL (2/5)	391724N 0090150W	374M / 120M	
TODO O MUNDO / CADAVAL	WINDMILL (3/5)	391733N 0090141W	379M / 120M	
TODO O MUNDO / CADAVAL	WINDMILL (4/5)	391734N 0090130W	372M / 120M	

Designation	Type of obstacle	Coordinates	ELEV/ HGT GND	OBST LGT Type/Colour
1	2	3	4	5
TODO O MUNDO / CADAVAL	WINDMILL (5/5)	391735N 0090119W	360M / 120M	By day: Flashing White lights By night: Fixed Red lights
TORRES VEDRAS	TOWER	391042N 0091353W	196M / 100M	Day and night signalized
TOUTIÇO	WINDMILL (1/38)	401004N 0075108W	1059M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (2/38)	401008N 0075057W	1037M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (3/38)	401015N 0074941W	1248M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (4/38)	401000N 0074939W	1253M / 125M	
TOUTIÇO	WINDMILL (5/38)	400952N 0074937W	1259M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (6/38)	400944N 0074942W	1244M / 125M	
TOUTIÇO	WINDMILL (7/38)	400936N 0074945W	1251M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (8/38)	400929N 0074949W	1228M / 125M	
TOUTIÇO	WINDMILL (9/38)	400926N 0075001W	1150M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (10/38)	400917N 0075020W	1125M / 125M	
TOUTIÇO	WINDMILL (11/38)	400912N 0075029W	1129M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (12/38)	400903N 0075036W	1190M / 125M	
TOUTIÇO	WINDMILL (13/38)	400855N 0075039W	1232M / 125M	
TOUTIÇO	WINDMILL (14/38)	400853N 0075054W	1160M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (15/38)	400639N 0075704W	1129M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (16/38)	400626N 0075708W	1166M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (17/38)	400613N 0075726W	1131M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (18/38)	400530N 0075722W	1073M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (19/38)	400524N 0075711W	1085M / 125M	
TOUTIÇO	WINDMILL (20/38)	400511N 0075723W	1043M / 125M	
TOUTIÇO	WINDMILL (21/38)	400501N 0075725W	1028M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (22/38)	400519N 0075659W	1045M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (23/38)	400524N 0075643W	998M / 125M	
TOUTIÇO	WINDMILL (24/38)	400528N 0075633W	1017M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (25/38)	400523N 0075621W	965M / 125M	
TOUTIÇO	WINDMILL (26/38)	400519N 0075610W	925M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (27/38)	401235N 0075305W	1245M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (28/38)	401232N 0075316W	1229M / 125M	
TOUTIÇO	WINDMILL (29/38)	401226N 0075327W	1238M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (30/38)	401218N 0075332W	1266M / 125M	
TOUTIÇO	WINDMILL (31/38)	401209N 0075336W	1279M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (32/38)	401205N 0075347W	1265M / 125M	
TOUTIÇO	WINDMILL (33/38)	401157N 0075352W	1227M / 125M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (34/38)	401142N 0075400W	1193M / 125M	By Day: White flashing light By Night: Fixed red light

Designation	Type of obstacle	Coordinates	ELEV/ HGT GND	OBST LGT Type/Colour
1	2	3	4	5
TOUTIÇO	WINDMILL (35/38)	401120N 0075946W	1117M / 198M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (36/38)	401107N 0080004W	1134M / 198M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (37/38)	401041N 0080009W	1135M / 198M	By Day: White flashing light By Night: Fixed red light
TOUTIÇO	WINDMILL (38/38)	401026N 0080019W	1154M / 198M	By Day: White flashing light By Night: Fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (1/14)	405042N 0072339W	1072M / 119M	By Day: flashing white light By Night: fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (2/14)	405049N 0072333W	1100M / 119M	
TRANCOSO - TRANCOSO	AEOLIC PARK (3/14)	405056N 0072340W	1068M / 119M	
TRANCOSO - TRANCOSO	AEOLIC PARK (4/14)	405107N 0072326W	1090M / 119M	By Day: flashing white light By Night: fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (5/14)	405114N 0072327W	1100M / 119M	
TRANCOSO - TRANCOSO	AEOLIC PARK (6/14)	405118N 0072333W	1073M / 119M	By Day: flashing white light By Night: fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (7/14)	405124N 0072253W	1079M / 119M	By Day: flashing white light By Night: fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (8/14)	405139N 0072239W	1060M / 119M	By Day: flashing white light By Night: fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (9/14)	405146N 0072246W	1059M / 119M	
TRANCOSO - TRANCOSO	AEOLIC PARK (10/14)	405154N 0072248W	1071M / 119M	
TRANCOSO - TRANCOSO	AEOLIC PARK (11/14)	405159N 0072300W	1079M / 119M	By Day: flashing white light By Night: fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (12/14)	405205N 0072248W	1069M / 119M	By Day: flashing white light By Night: fixed red light
TRANCOSO - TRANCOSO	AEOLIC PARK (13/14)	405142N 0072211W	1060M / 119M	
TRANCOSO - TRANCOSO	AEOLIC PARK (14/14)	405136N 0072208W	1053M / 119M	By Day: flashing white light By Night: fixed red light
TREVIM II	MAST	400514N 0081047W	1312M / 112M	Flashing Red Light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (1/13)	390050N 0091957W	276M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (2/13)	390043N 0091924W	313M / 126M	
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (3/13)	390045N 0091914W	329M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (4/13)	390046N 0091859W	341M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (5/13)	390111N 0092007W	261M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (6/13)	390117N 0092000W	296M / 126M	
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (7/13)	390125N 0091957W	276M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (8/13)	390127N 0091941W	313M / 126M	
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (9/13)	390135N 0091944W	306M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (10/13)	390253N 0091851W	243M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (11/13)	390250N 0091842W	245M / 126M	By Day: Flashing white light By Night: Fixed red light
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (12/13)	390254N 0091833W	270M / 126M	
VALE DE GALEGOS - VENTOSA E FREIRIA - TORRES VEDRAS	AEOLIC PARK (13/13)	390256N 0091825W	257M / 126M	By Day: Flashing white light By Night: Fixed red light

Designation	Type of obstacle	Coordinates	ELEV/ HGT GND	OBST LGT Type/Colour
1	2	3	4	5
VALE GRANDE / ARGANIL	WINDMILL (1/6)	401104N 0075527W	1123M / 125M	By day: Flashing White lights By night: Fixed Red lights
VALE GRANDE / ARGANIL	WINDMILL (2/6)	401107N 0075511W	1131M / 125M	
VALE GRANDE / ARGANIL	WINDMILL (3/6)	401116N 0075457W	1139M / 125M	By day: Flashing White lights By night: Fixed Red lights
VALE GRANDE / ARGANIL	WINDMILL (4/6)	401121N 0075444W	1146M / 125M	
VALE GRANDE / ARGANIL	WINDMILL (5/6)	401124N 0075425W	1187M / 125M	By day: Flashing White lights By night: Fixed Red lights
VALE GRANDE / ARGANIL	WINDMILL (6/6)	401128N 0075414W	1194M / 125M	By day: Flashing White lights By night: Fixed Red lights
VASCO DA GAMA BRIDGE	TOWER (1/4)	384710N 0090526W	148M / 148M	Flashing White Light
VASCO DA GAMA BRIDGE	TOWER (2/4)	384711N 0090526W	148M / 148M	Flashing White Light
VASCO DA GAMA BRIDGE	TOWER (3/4)	384708N 0090509W	148M / 148M	Flashing White Light
VASCO DA GAMA BRIDGE	TOWER (4/4)	384709N 0090508W	148M / 148M	Flashing White Light
VERGÃO	WINDMILL (1/5)	394501N 0075951W	780M / 150M	By day: Flashing White Light By night: Flashing Red Light
VERGÃO	WINDMILL (2/5)	394509N 0075939W	784M / 150M	
VERGÃO	WINDMILL (3/5)	394517N 0075928W	804M / 150M	By day: Flashing White Light By night: Flashing Red Light
VERGÃO	WINDMILL (4/5)	394526N 0075906W	754M / 150M	
VERGÃO	WINDMILL (5/5)	394534N 0075848W	741M / 150M	By day: Flashing White Light By night: Flashing Red Light
VIDEIRA	WINDMILL (1/3)	395228N 0082404W	640M / 120M	By Day: Flashing White Light By Night: Flashing Red Light
VIDEIRA	WINDMILL (2/3)	395222N 0082410W	643M / 120M	
VIDEIRA	WINDMILL (3/3)	395216N 0082416W	627M / 120M	By Day: Flashing White Light By Night: Flashing Red Light
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (1/16)	403532N 0072328W	1046M / 107M	By night: Flashing Red Light
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (2/16)	403524N 0072334W	1055M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (3/16)	403519N 0072341W	1074M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (4/16)	403512N 0072345W	1082M / 107M	By day: Flashing White Light By night: Flashing Red Light
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (5/16)	403505N 0072350W	1093M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (6/16)	403458N 0072353W	1105M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (7/16)	403451N 0072356W	1110M / 107M	By day: Flashing White Light By night : Flashing Red Light
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (8/16)	403445N 0072405W	1103M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (9/16)	403439N 0072412W	1111M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (10/16)	403434N 0072421W	1118M / 107M	By day: Flashing White Light By night: Flashing Red Light
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (11/16)	403428N 0072429W	1105M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (12/16)	403422N 0072434W	1085M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (13/16)	403414N 0072437W	1063M / 107M	By day: Flashing White Light By night: Flashing Red Light
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (14/16)	403407N 0072441W	1062M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (15/16)	403400N 0072448W	1049M / 107M	
VIDEMONTE (CELORICO DA BEIRA)	AEOLIC PARK (16/16)	403354N 0072452W	1036M / 107M	By night: Flashing Red Light
VIGIA - TAROUCA - VISEU	WINDMILL (1/8)	405937N 0074719W	1181M / 157M	By day: Flashing White Light By night: Flashing Red Light
VIGIA - TAROUCA - VISEU	WINDMILL (2/8)	405947N 0074727W	1220M / 157M	
VIGIA - TAROUCA - VISEU	WINDMILL (3/8)	405948N 0074745W	1228M / 157M	By day: Flashing White Light By night: Flashing Red Light
VIGIA - TAROUCA - VISEU	WINDMILL (4/8)	405956N 0074801W	1230M / 157M	By day: Flashing White Light By night: Flashing Red Light

Designation	Type of obstacle	Coordinates	ELEV/ HGT GND	OBST LGT Type/Colour
1	2	3	4	5
VIGIA - TAROUCA - VISEU	WINDMILL (5/8)	410009N 0074812W	1233M / 157M	By day: Flashing White Light By night: Flashing Red Light
VIGIA - TAROUCA - VISEU	WINDMILL (6/8)	410046N 0074846W	1194M / 157M	By day: Flashing White Light By night: Flashing Red Light
VIGIA - TAROUCA - VISEU	WINDMILL (7/8)	410057N 0074852W	1201M / 157M	
VIGIA - TAROUCA - VISEU	WINDMILL (8/8)	410104N 0074905W	1182M / 157M	By day: Flashing White Light By night: Flashing Red Light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (1/17)	411817N 0075411W	1209M / 131M	By day: Flashing white light By night: Fixed red light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (2/17)	411824N 0075404W	1164M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (3/17)	411830N 0075355W	1185M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (4/17)	411841N 0075354W	1159M / 131M	By day: Flashing white light By night: Fixed red light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (5/17)	411851N 0075350W	1145M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (6/17)	411857N 0075341W	1141M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (7/17)	411902N 0075330W	1106M / 131M	By day: Flashing white light By night: Fixed red light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (8/17)	411904N 0075315W	1062M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (9/17)	411909N 0075304W	1091M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (10/17)	411914N 0075255W	1119M / 131M	By day: Flashing white light By night: Fixed red light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (11/17)	411919N 0075245W	1126M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (12/17)	411921N 0075233W	1126M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (13/17)	411925N 0075221W	1166M / 131M	By day: Flashing white light By night: Fixed red light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (14/17)	411932N 0075149W	1217M / 131M	By day: Flashing white light By night: Fixed red light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (15/17)	411937N 0075134W	1195M / 131M	By day: Flashing white light By night: Fixed red light
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (16/17)	411937N 0075118W	1192M / 131M	
VILA COVA - VILA REAL - MONDIM DE BASTO	WINDMILL (17/17)	411942N 0075106W	1238M / 131M	By day: Flashing white light By night: Fixed red light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (1/15)	400239N 0081737W	941M / 107M	Flashing Red Light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (2/15)	400240N 0081727W	943M / 107M	
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (3/15)	400242N 0081713W	979M / 107M	
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (4/15)	400240N 0081703W	1002M / 107M	Flashing Red Light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (5/15)	400241N 0081653W	1000M / 107M	
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (6/15)	400243N 0081641W	1029M / 107M	
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (7/15)	400246N 0081631W	1045M / 107M	Flashing Red Light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (8/15)	400255N 0081624W	1041M / 107M	
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (9/15)	400259N 0081616W	1017M / 107M	Flashing Red Light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (10/15)	400259N 0081639W	1034M / 107M	Flashing Red Light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (11/15)	400204N 0081701W	963M / 107M	Flashing Red Light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (12/15)	400155N 0081655W	952M / 107M	
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (13/15)	400141N 0081706W	920M / 107M	Flashing Red Light

Designation	Type of obstacle	Coordinates	ELEV/ HGT GND	OBST LGT Type/Colour
1	2	3	4	5
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (14/15)	400233N 0081748W	923M / 125M	By day: Flashing White Light By night: Fixed Red Light
VILA NOVA (MIRANDA DO CORVO)	AEOLIC PARK (15/15)	400229N 0081638W	991M / 125M	By day: Flashing White Light By night: Fixed Red Light
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (1/14)	400305N 0081609W	1020M / 126M	
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (2/14)	400309N 0081559W	980M / 120M	
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (3/14)	400313N 0081550W	946M / 126M	By day: Flashing white light By night: Fixed red light
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (4/14)	400312N 0081533W	938M / 126M	
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (5/14)	400311N 0081520W	977M / 126M	By day: Flashing white light By night: Fixed red light
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (6/14)	400314N 0081509W	988M / 126M	
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (7/14)	400320N 0081459W	968M / 126M	
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (8/14)	400325N 0081452W	954M / 126M	By day: Flashing white light By night: Fixed red light
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (9/14)	400336N 0081450W	984M / 126M	
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (10/14)	400344N 0081445W	996M / 126M	By day: Flashing white light By night: Fixed red light
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (11/14)	400159N 0081810W	922M / 126M	By day: Flashing white light By night: Fixed red light
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (12/14)	400205N 0081803W	920M / 126M	
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (13/14)	400150N 0081815W	907M / 126M	By day: Flashing white light By night: Fixed red light
VILA NOVA II - MIRANDA DO CORVO	AEOLIC PARK (14/14)	400356N 0081444W	1022M / 126M	By day: Flashing white light By night: Fixed red light

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5. Limitations on runway usage

It is mandatory for aircraft aerodrome reference code D and E to use RWY 17/35 full length for departures.

6. Use of Ground Power Unit (GPU), use of Auxiliary Power Unit (APU)

6.1 Use of GPU

The use of mobile autonomous GPU is not allowed when ACFT are using Apron Drive Loading Bridges, except if GPU system is unserviceable.

6.2 Use of APU

Start-up or shut-down of the APU is forbidden while the Aircraft is being refuelled.

The use of APU must be limited as much as possible.

Narrow-Body ACFT are allowed to use APU until 5 minutes after “chocks on” and 10 minutes before ETD.

Wide-Body ACFT are allowed to use APU until 10 minutes after “chocks on” and 20 minutes before ETD.

EXEMPTIONS: If air conditioning system at the Loading Bridge is unserviceable.

7. **ILS CAT I/II operations**

Facilities

The following facilities serving ILS operations are available:

- CAT II lighting system on RWY 17. See LPPR AD 2.14.

- RVR assessment system, comprising transmissometers at TDZ, mid-point and stop-end, indicated as position A, B and C respectively. See LPPR AD 2.24.01-1

- Secondary PWR supply (See LPPR AD 2.15).

A change in operation, if caused by a failure expected to last more than one hour, will be notified by NOTAM. Pilots will be notified of shorter-term deficiencies by ATC.

Precision Approach Terrain Chart. See LPPR AD 2.24.06-1

Obstacle Clearance Altitudes / Heights (OCA/H). See relevant Instrument Approach Charts.

ATC Procedures

a. ATC will apply safeguards and procedures for ILS operations that will become effective in relation to WX conditions as specified below.

b. When the visibility is less than 2500M and / or the cloud base is below 400 FT, ATC will instruct TFC to perform ILS approaches to RWY 17.

c. Low Visibility Procedures:
When the TDZ RVR is 550M or less, or the cloud base is at 200FT or below, ATC will ensure that the ILS protection area is clear of (known) TFC before issuing the LDG clearance (never after the 4 NM final).

d. Low Visibility Take-Off Procedures - RWY 17 - RVR at or above 125M and below 400M.

e. RVR Information:
ATC will always give the RVR value for position ALPHA (TDZ). As for either of the two other positions, BRAVO and CHARLIE, ATC will only give their RVR value if they are:

- less than the TDZ and less than 550M; or
- less than 350M, or
- requested by the pilot

f. Surface Surveillance System (SMR) is available to ATC.

Clearances

The above weather conditions and related safeguards are chosen so as to facilitate CAT I and CAT II operations respectively.

During approach, pilots will be informed of:

- any known unserviceability and/or downgrading of aids or facilities referred on the above paragraph, when applicable.
- significant changes in surface wind (speed and direction).
- changes in RVR

CAT II Standard Taxi Routes

See table on paragraph 4.4.

Practice ILS Approaches

Pilots who wish to practice ILS CAT II approaches are to use the phrase “REQUEST PRACTICE CAT II APPROACH”, on initial CTC with PORTO APP.

The measures mentioned above on paragraph “ATC Procedures”, Item c and Item b, will not be applied. Item d will be applied only when TFC permits.

Holding awaiting weather improvement

ACFT awaiting WX improvement in HLDG area will be stacked FM FL60 upward.

When approaches are possible again, new slots will be assigned, based on the original sequence of arrival

The sequence may be adjusted in order to provide for differences in LDGS criteria e.g. ILS CAT II approaches against ILS CAT I approaches.

ATC may initially allocate more favourable (higher) HLDG levels when the number and type of ACFT involved in HLDG allows this procedure.

8. **Handling services**

All general aviation aircraft are parked in remote stands, which require transportation to terminal building and ARO/METEO offices. The only entities authorized to provide transportation are the handling agents mentioned below.

All commercial aircraft operating in Porto Aerodrome must be represented by one of the agents mentioned on the list below:

Authorized Full Handling Agents:

Groundforce

Phone: (Station Manager) +351 961344797
Phone: (HOC) +351 961705962
Phone: +351 229432400 (Ext. 42775)
SITA: OPOJJXH
SITA: OPOSCXH
Email: hoc.opo@grounforce.pt
Email: stationmanager.opo@groundforce.pt
VHF: 131.900 MHZ

OMNI Handling

Phone: +351 229432435
Phone: (mobile) +351 915220210
Fax: +351 229432436
Email: opo@omnihandling.com
URL: http://www.omnihandling.com
VHF: 131.900 MHZ

4. If cleared DCT to…, fly at/to the assigned and acknowledged level or to F100, whichever is higher, until passing 30 NM DME PRT DVOR/DME, maintain the current flight plan route and proceed in accordance with § 2 above.

STANDARD INSTRUMENT DEPARTURE (SID) DESCRIPTION: See back of charts LPPR AD 2.24.08-1 and LPPR AD 2.24.08-3

2. FMS RNAV DEPARTURE ROUTES FROM PORTO (FRANCISCO SA CARNEIRO) AERODROME

GENERAL PROCEDURES:
If unable to comply with these FMS RNAV Departure Routes, advise ATC.

NOISE ABATEMENT PROCEDURES:
In accordance with Item LPPR AD 2.21.

RADAR VECTORING:
Radar Vectoring involving deviation from SID may be used by Porto Approach to expedite traffic.

RADIO COMMUNICATIONS FAILURE:
In the event of RCF squawk A7600:

1. Fly at/to the last assigned and acknowledged level or to the level of SID if is higher than the last assigned level until passing 30 NM DME PRT DVOR/DME;

2. Thereafter adjust level and speed in accordance with the filed flight plan;

3. If being radar vectored or proceeding offset, when passing 30 NM DME PRT DVOR/DME, rejoin the current flight plan route and proceed in accordance with § 2 above.

4. If cleared DCT to…, fly at/to the assigned and acknowledged level or to F100, whichever is higher, until passing 30 NM DME PRT DVOR/DME, maintain the current flight plan route and proceed in accordance with § 2 above.

FMS RNAV DEPARTURE ROUTES (SID) DESCRIPTION: See back of charts LPPR AD 2.24.08-5 and LPPR AD 2.24.08-7

3. STANDARD INSTRUMENT ARRIVALS TO PORTO (FRANCISCO SA CARNEIRO) AERODROME

NIL

4. FMS RNAV ARRIVAL ROUTES TO PORTO (FRANCISCO SA CARNEIRO) AERODROME

4.1 RUNWAY 17

GENERAL REMARKS:
To shorten these FMS RNAV Arrival Procedures, radar vectors or instructions to follow specific way points shall be expected.

SPEED ADJUSTMENT:
See ENR Section 1.5, Sub-section 1.5.4 paragraph 2a).

RADIO COMMUNICATIONS FAILURE:
In the event of RCF squawk 7600, fly DCT at/to the last assigned level to ADNOV holding pattern regardless published FL, and at ETA according to CPL or at EAT (when received and acknowledged) start descent to initial approach altitude to carry out a standard IFR Approach according to IAC.

In the event of RCF after the clearance for the Final Approach, proceed for landing

FMS RNAV ARRIVAL ROUTES (STAR) DESCRIPTION: See back of chart LPPR AD 2.24.10-1

4.2 RUNWAY 35

GENERAL REMARKS:
To shorten these FMS RNAV Arrival Procedures, radar vectors or instructions to follow specific way points shall be expected.

SPEED ADJUSTMENT:
See ENR Section 1.5, Sub-section 1.5.4 paragraph 2a).

RADIO COMMUNICATIONS FAILURE:

In the event of RCF squawk 7600, fly DCT at/to the last assigned level to AKULU holding pattern regardless published FL, and at ETA according to CPL or at EAT (when received and acknowledged) start descent to initial approach altitude to carry out a standard IFR Approach according to IAC.

In the event of RCF after the clearance for the Final Approach, proceed for landing.

FMS RNAV ARRIVAL ROUTES (STAR) DESCRIPTION: See Back of chart LPPR AD 2.24.10-3

5. EAT Calculation Method

Expected Approach Time (EAT) to Porto AD is calculated to the IAF of the procedure to be used, regardless of Holding Pattern used.

6. Visual Approaches

Unless otherwise instructed by ATC, the missed approach procedure for visual approaches is the same as the instrument missed approach procedure broadcast by ATIS or defined by ATC.

If unable advice ATC.

See visual approach procedure chart.

7. PBN Equipped Aircraft

In the event of GNSS failure or failure of other means needed to enable RNAV operations, inform ATC as soon as possible for instructions.

8. Holding Procedures

HLDG ID/FIX/WPT Coordinates	INBD TR (MAG)	Direction of PTN	MAX IAS (KT)	MNM-MAX HLDG LVL FL/FT (MSL)	TIME (MIN) or DIST OUBD
ADNOV ADNOV 413106N0084511W	170°	RIGHT	230	4000 FT ALT FL 140	1 MIN
ADNOV ADNOV 413106N0084511W	170°	RIGHT	240	FL 150 FL 240	1.5 MIN
ADNOV ADNOV 413106N0084511W RDL350-DME15 PRT DVOR/DME	170°	RIGHT	230	4000 FT ALT FL 140	5 NM
ADNOV ADNOV 413106N0084511W RDL350-DME15 PRT DVOR/DME	170°	RIGHT	240	FL 150 FL 240	9.5 NM
AKULU AKULU 405903N0083643W	351°	LEFT	230	4000 FT ALT FL 140	1 MIN
AKULU AKULU 405903N0083643W	351°	LEFT	240	FL 150 FL 240	1.5 MIN
AKULU AKULU 405903N0083643W RDL171-DME17.7 PRT DVOR/DME	351°	LEFT	230	4000 FT ALT FL 140	5 NM
AKULU AKULU 405903N0083643W RDL171-DME17.7 PRT DVOR/DME	351°	LEFT	240	FL 150 FL 240	9.5 NM
DIVUT DIVUT 410143N0081933W RDL133-DME22 PRT DVOR/DME	313°	LEFT	230	FL 080 FL 140	5 NM
DIVUT DIVUT 410143N0081933W RDL133-DME22 PRT DVOR/DME	313°	LEFT	240	FL 150 FL 240	9.5 NM

HLDG ID/FIX/WPT Coordinates	INBD TR (MAG)	Direction of PTN	MAX IAS (KT)	MNM-MAX HLDG LVL FL/FT (MSL)	TIME (MIN) or DIST OUBD
PORTO/PRT PORTO DVOR/DME 411623N0084116W	171°	RIGHT	230	4000 FT ALT FL 140	1 MIN
PORTO/PRT PORTO DVOR/DME 411623N0084116W	171°	RIGHT	240	FL 150 FL 240	1.5 MIN
RETMO RETMO 411340N0090050W RDL262-D15 PRT DVOR/DME	081°	RIGHT	230	FL060 FL140	5 NM
RETMO RETMO 411340N0090050W RDL262-D15 PRT DVOR/DME	081°	RIGHT	240	FL150 FL240	9.5 NM
RETMO RETMO 411340N0090050W	081°	RIGHT	230	FL060 FL140	1 MIN
RETMO RETMO 411340N0090050W	081°	RIGHT	240	FL150 FL240	1.5 MIN
VASIP VASIP 413318N0082234W RDL041-DME22 PRT DVOR/DME	221°	LEFT	230	FL 080 FL 140	8 NM
VASIP VASIP 413318N0082234W RDL041-DME22 PRT DVOR/DME	221°	LEFT	240	FL 150 FL 240	9.5 NM

LPPR AD 2.23 ADDITIONAL INFORMATION

1. Bird activity and patterns

Flocks of birds with significant activity occur daily at the airport and on the vicinity. Some species groups, like sea gulls (larus sp. and larus fuscus) cross the aerodrome field area from EAST to WEST and vice-versa during morning and evening periods.

2. Bird hazard warning

Bird scaring is accomplished by use of gas cannon units and scarecrow devices, installed along runway strip. The gas cannons are activated whenever birds are detected. The scarecrow devices operate permanently and an additional portable unit is available to be used whenever required.

Pilots are advised that birds may not always be promptly detected. Caution requested during approach and take-off.

3. Grass cutting

Grass cutting will take place along Strip RWY 17/35, Tuesday to Saturday from 00:00-05:00 (23:00-04:00). Men and equipment under Tower control and airport authority supervision.

LPPR AD 2.24 CHARTS RELATED TO THE AERODROME

Name	Page
AERODROME CHART- ICAO	LPPR AD 2.24.01-1
AIRCRAFT PARKING/DOCKING CHART-ICAO (APRON S)	LPPR AD 2.24.02-1
AIRCRAFT PARKING/DOCKING CHART-ICAO (APRON T and W)	LPPR AD 2.24.02-3
AERODROME OBSTACLE CHART-ICAO – RWY17/35	LPPR AD 2.24.04-1

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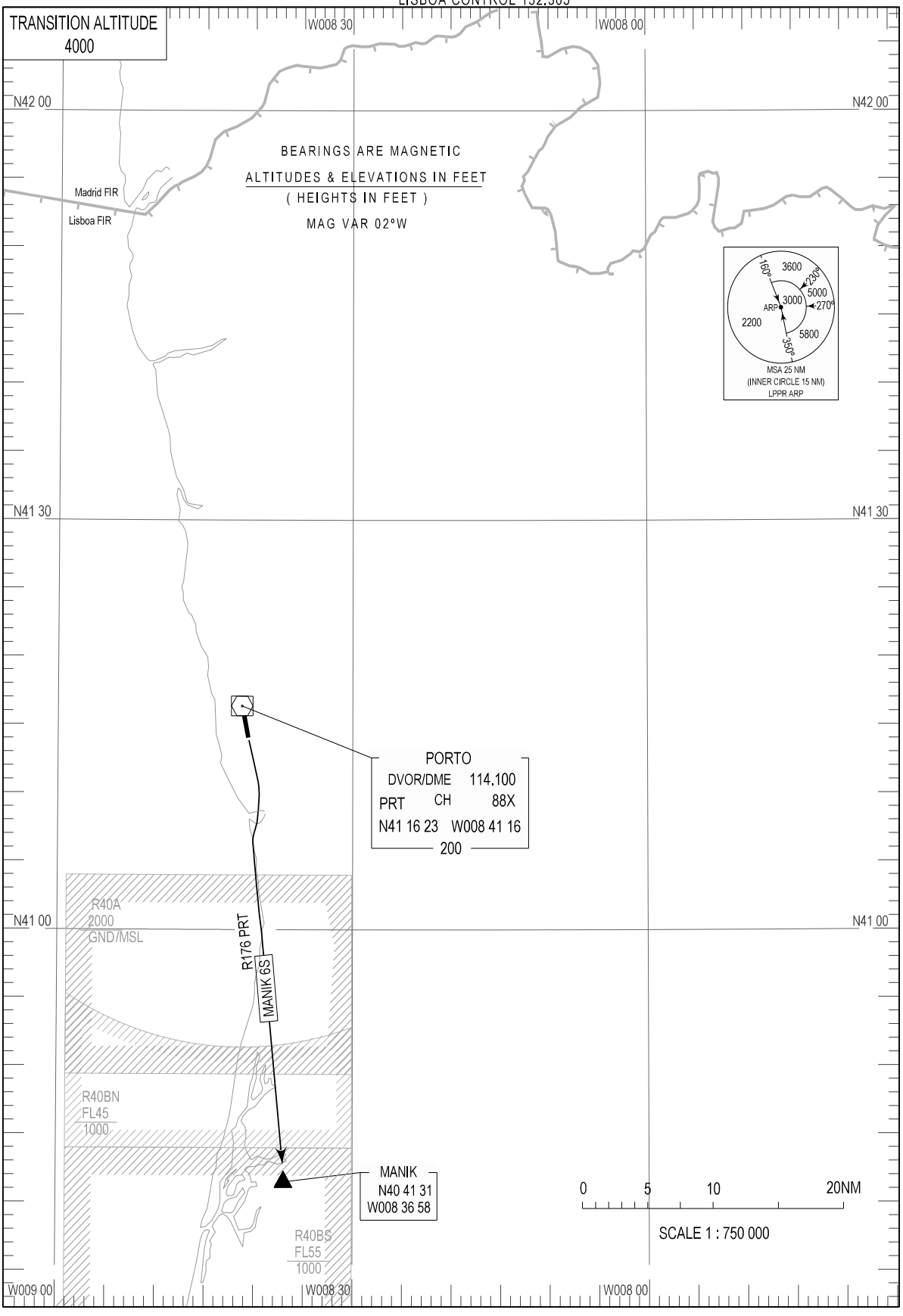
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

PORTO DEP INFORMATION 121.680
PORTO TOWER 118.005
PORTO APPROACH 120.910
LISBOA CONTROL 132.305

PORTO, Francisco Sá Carneiro (LPPR)
RWY 17
MANIK 6S



MSA changed.

STANDARD INSTRUMENT DEPARTURE (SID) RWY 17

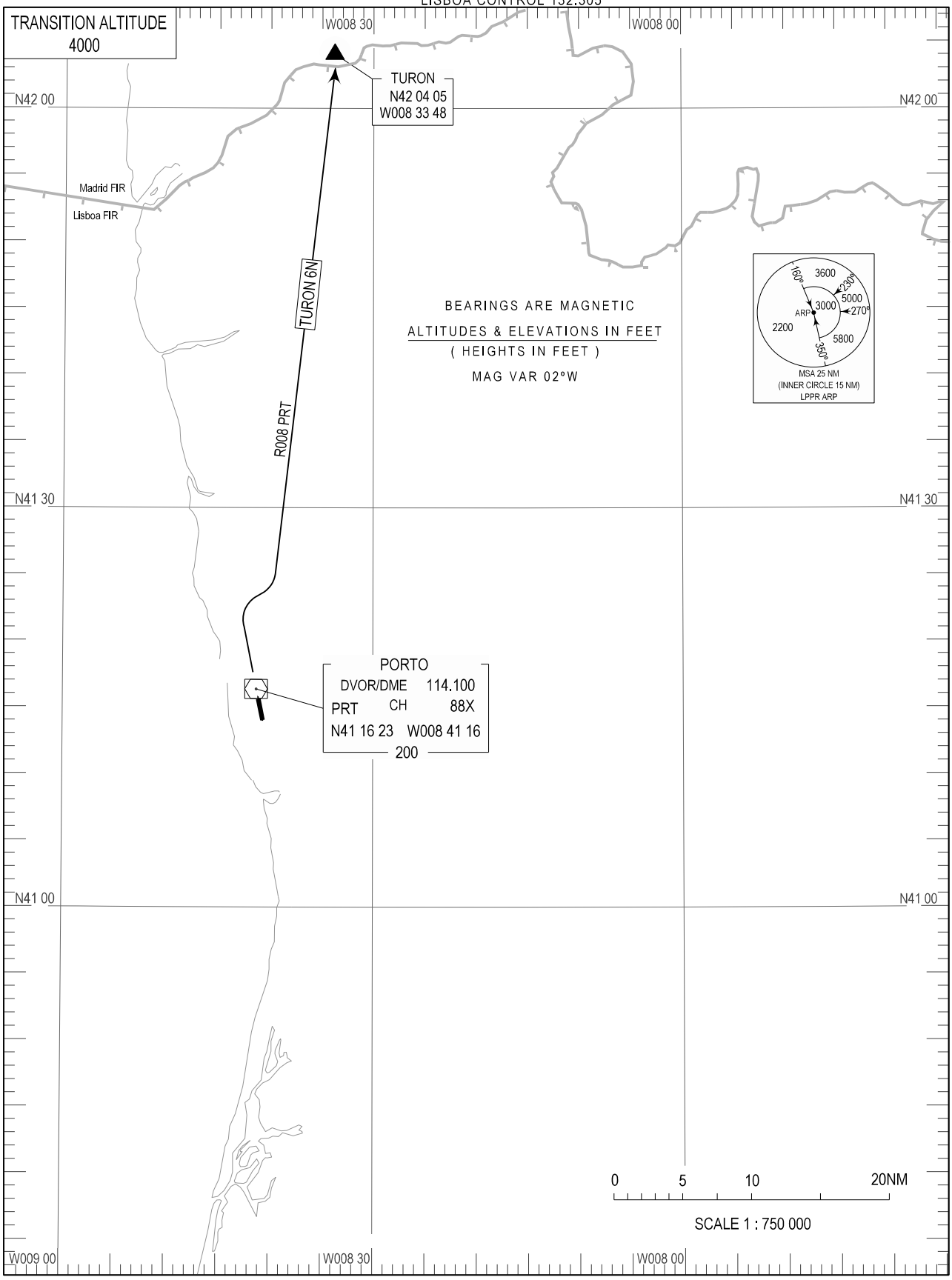
Designator	Route	After Take-off		Remarks
		Climb to ALT/FL	Contact	
MANIK 6S	Climb straight ahead to cross 12NM from PRT DVOR/DME at or above 3000FT QNH. At 3000FT turn right to intercept and proceed on RDL 176 PRT DVOR/DME to MANIK.	FL100	Porto Approach 120.910 MHZ	Cross 20 NM from PRT DVOR/DME at or above FL060.

I

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

PORTO DEP INFORMATION 121.680
PORTO TOWER 118.005
PORTO APPROACH 120.910
LISBOA CONTROL 132.305

PORTO, Francisco Sá Carneiro (LPPR)
RWY 35
TURON 6N



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STANDARD INSTRUMENT DEPARTURE (SID) RWY 35

Designator	Route	After Take-off		Remarks
		Climb to ALT/FL	Contact	
TURON 6N	Climb straight ahead. At 3000FT QNH turn right to intercept and proceed on RDL 008 PRT DVOR/DME to TURON.	FL100	Porto Approach 120.910 MHZ	Cross 20 NM from PRT DVOR/DME at or above FL060.

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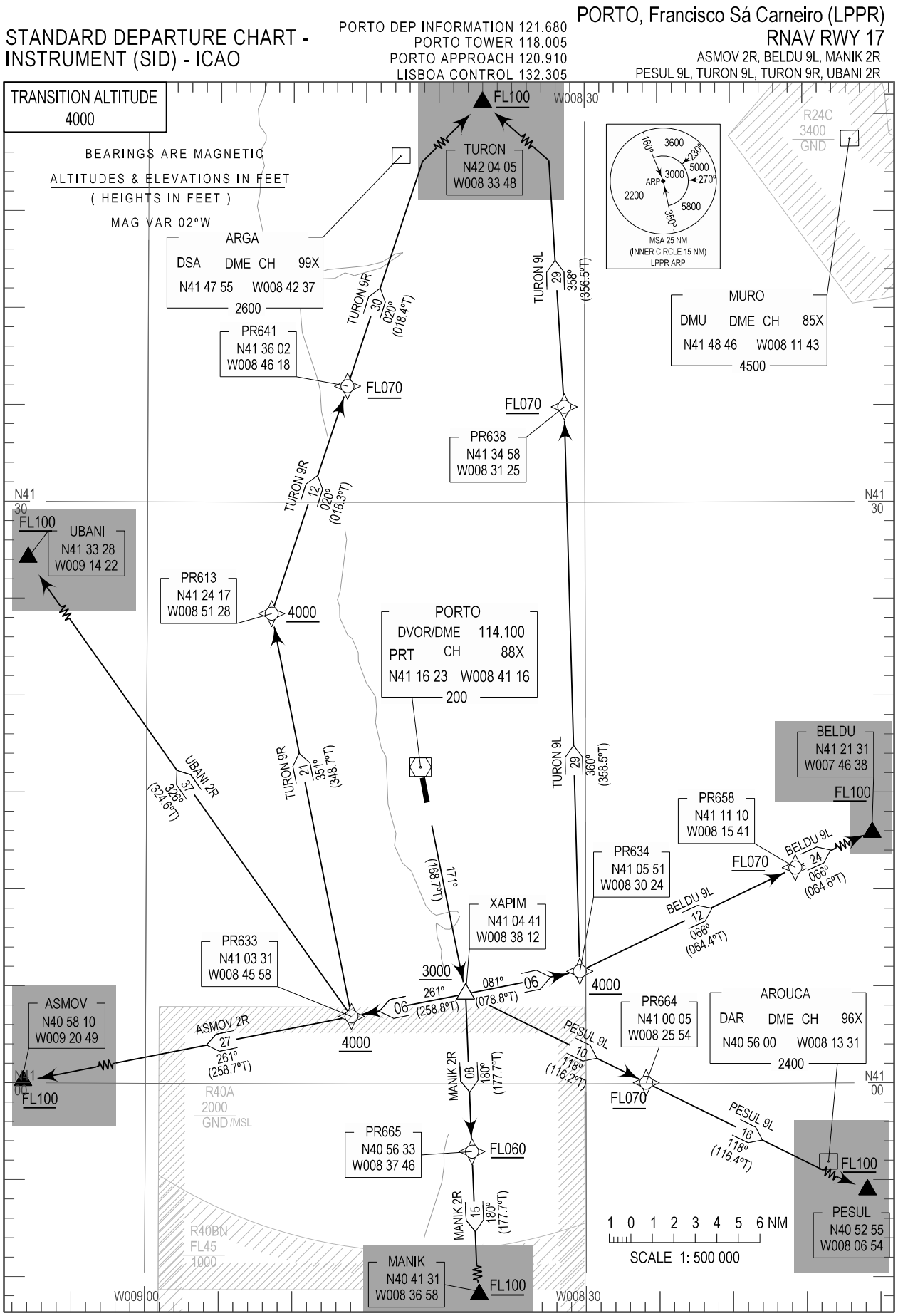
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO
PORTO DEP INFORMATION 121.680
PORTO TOWER 118.005
PORTO APPROACH 120.910
LISBOA CONTROL 132.305
PORTO, Francisco Sá Carneiro (LPPR)
RNAV RWY 17
ASMOV 2R, BELDU 9L, MANIK 2R
PESUL 9L, TURON 9L, TURON 9R, UBANI 2R
TRANSITION ALTITUDE 4000
BEARINGS ARE MAGNETIC
ALTITUDES & ELEVATIONS IN FEET
(HEIGHTS IN FEET)
MAG VAR 02°W
TURON N42 04 05 W008 33 48
ARGA DSA DME CH 99X N41 47 55 W008 42 37 2600
PR641 N41 36 02 W008 46 18
PR638 N41 34 58 W008 31 25
MURO DMU DME CH 85X N41 48 46 W008 11 43 4500
UBANI N41 33 28 W009 14 22
PR613 N41 24 17 W008 51 28
PORTO DVOR/DME 114.100 PRT CH 88X N41 16 23 W008 41 16 200
XAPIM N41 04 41 W008 38 12
PR633 N41 03 31 W008 45 58
PR634 N41 05 51 W008 30 24
PR658 N41 11 10 W008 15 41
BELDU N41 21 31 W007 46 38
ASMOV N40 58 10 W009 20 49
PR664 N41 00 05 W008 25 54
AROUCA DAR DME CH 96X N40 56 00 W008 13 31 2400
PR665 N40 56 33 W008 37 46
MANIK N40 41 31 W008 36 58
PESUL N40 52 55 W008 06 54
MSA 25 NM (INNER CIRCLE 15 NM) LPPR ARP
R24C 3400 GND
R40A 2000 GND/MSL
R40BN FL45 1000
SCALE 1: 500 000
MSA changed

SID Procedure Coding Table

Path Terminator	Waypoint			Course/Track MAG(True)	Dist NM	Turn Direction	Constraints		Nav Specs	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
Porto SID RNAV 1 RWY 17 – BELDU 9L										
CF	XAPIM	-	410441.12N 0083811.55W	171 (168.7)	-	-	+3000ft	-	RNAV 1	
TF	PR634	-	410550.74N 0083024.43W	081 (078.8)	6.00	Left	+4000ft	-	RNAV 1	
TF	PR658	-	411109.65N 0081540.82W	066 (064.4)	12.33	Left	+FL070	-	RNAV 1	
TF	BELDU	-	412130.63N 0074638.02W	066 (064.6)	24.22	-	+FL100	-	RNAV 1	
PORTO SID RNAV 1 RWY 17 – ASMOV 2R										
CF	XAPIM	-	410441.12N 0083811.55W	171 (168.7)	-	-	+3000ft	-	RNAV 1	
TF	PR633	-	410330.97N 0084558.39W	261 (258.8)	6.00	Right	+4000ft	-	RNAV 1	
TF	ASMOV	-	405809.81N 0092049.33W	261 (258.7)	26.92	-	+FL100	-	RNAV 1	
PORTO SID RNAV 1 RWY 17 – PESUL 9L										
CF	XAPIM	-	410441.12N 0083811.55W	171 (168.7)	-	-	+3000ft	-	RNAV 1	
TF	PR664	-	410005.29N 0082553.92W	118 (116.2)	10.38	Left	+FL070	-	RNAV 1	
TF	PESUL	-	405255.32N 0080654.37W	118 (116.4)	16.08	-	+FL100	-	RNAV 1	
PORTO SID RNAV 1 RWY 17 – MANIK 2R										
CF	XAPIM	-	410441.12N 0083811.55W	171 (168.7)	-	-	+3000ft	-	RNAV 1	
TF	PR665	-	405632.70N 0083745.69W	180 (177.7)	8.14	Right	+FL060	-	RNAV 1	
TF	MANIK	-	404130.65N 0083658.21W	180 (177.7)	15.04	-	+FL100	-	RNAV 1	
PORTO SID RNAV 1 RWY 17 – TURON 9L										
CF	XAPIM	-	410441.12N 0083811.55W	171 (168.7)	-	-	+3000ft	-	RNAV 1	
TF	PR634	-	410550.74N 0083024.43W	081 (078.8)	6.00	Left	+4000ft	-	RNAV 1	
TF	PR638	-	413457.82N 0083124.66W	360 (358.5)	29.11	Left	+FL070	-	RNAV 1	
TF	TURON	-	420404.53N 0083348.30W	358 (356.5)	29.15	-	+FL100	-	RNAV 1	
Porto SID RNAV 1 RWY 17 – TURON 9R										
CF	XAPIM	-	410441.12N 0083811.55W	171 (168.7)	-	-	+3000ft	-	RNAV 1	
TF	PR633	-	410330.97N 0084558.39W	261 (258.8)	6.00	Right	+4000ft	-	RNAV 1	
TF	PR613	-	412417.18N 0085128.48W	351 (348.7)	21.17	Right	+4000ft	-	RNAV 1	
TF	PR641	-	413601.74N 0084618.00W	020 (018.3)	12.36	Right	+FL070	-	RNAV 1	
TF	TURON	-	420404.53N 0083348.30W	020 (018.4)	29.55	-	+FL100	-	RNAV 1	
PORTO SID RNAV 1 RWY 17 – UBANI 2R										
CF	XAPIM	-	410441.12N 0083811.55W	171 (168.7)	-	-	+3000ft	-	RNAV 1	
TF	PR633	-	410330.97N 0084558.39W	261 (258.8)	6.00	Right	+4000ft	-	RNAV 1	
TF	UBANI	-	413328.27N 0091422.27W	326 (324.6)	36.80	Right	+FL100	-	RNAV 1	

Porto SID RNAV 1 RWY 17

Designator	Route	After Take-off		Remarks
		Climb to ALT/FL	Contact	
BELDU9L	After take-off proceed to XAPIM. Turn left to PR634 - PR658 - BELDU.	FL100	Porto Approach 120.910 MHZ	
ASMOV2R	After take-off proceed to XAPIM. Turn right to PR633 - ASMOV.			
PESUL9L	After take-off proceed to XAPIM. Turn left to PR664 - PESUL.			
MANIK2R	After take-off proceed to XAPIM. Turn right to PR665 - MANIK.			
TURON9L	After take-off proceed to XAPIM. Turn left to PR634 - PR638 - TURON.			
TURON9R	After take-off proceed to XAPIM. Turn right to PR633 - PR613 - PR641 - TURON.			
UBANI2R	After take-off proceed to XAPIM. Turn right to PR633 - UBANI.			

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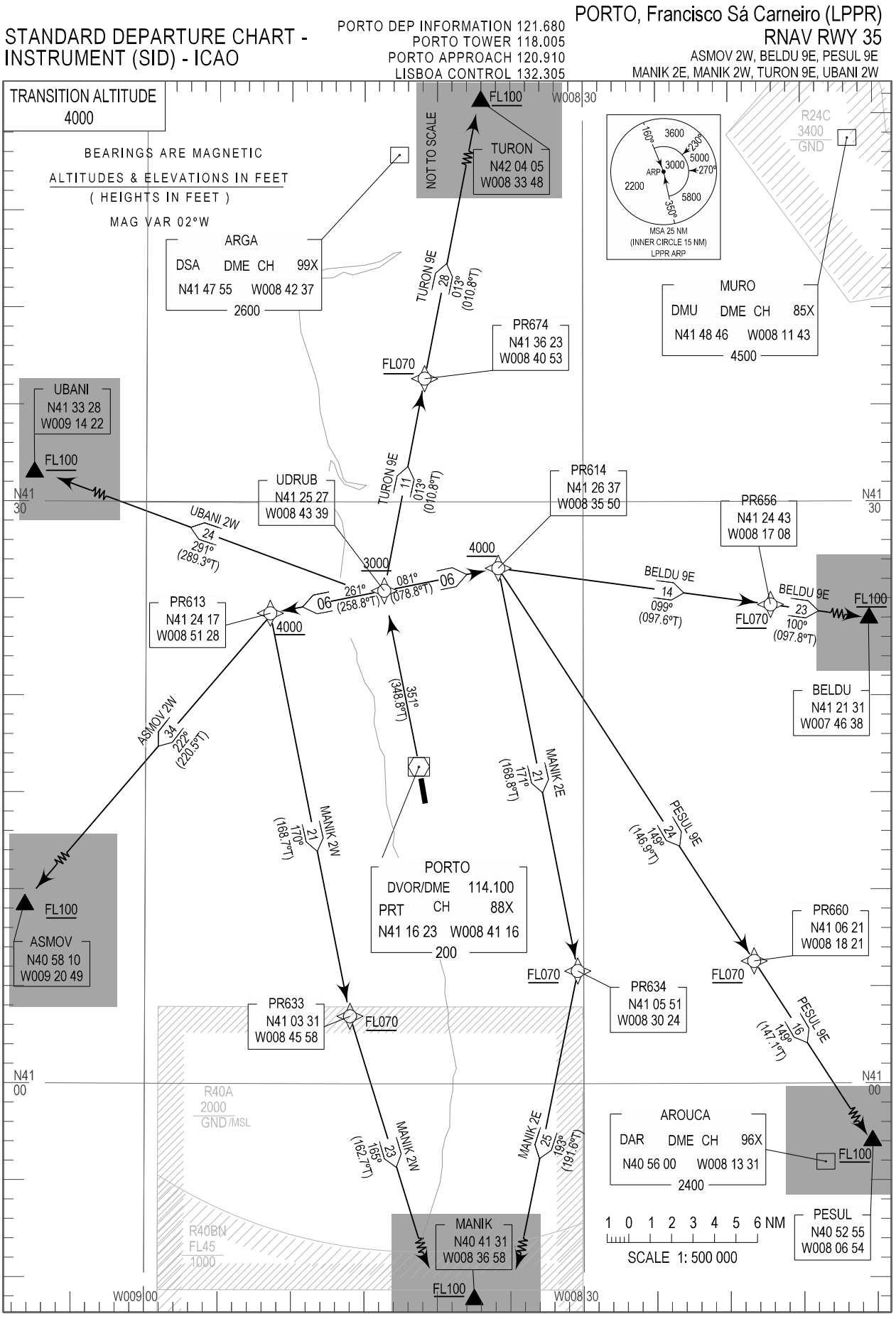
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO
PORTO DEP INFORMATION 121.680
PORTO TOWER 118.005
PORTO APPROACH 120.910
LISBOA CONTROL 132.305
PORTO, Francisco Sá Carneiro (LPPR)
RNAV RWY 35
ASMOV 2W, BELDU 9E, PESUL 9E
MANIK 2E, MANIK 2W, TURON 9E, UBANI 2W
TRANSITION ALTITUDE 4000
BEARINGS ARE MAGNETIC
ALTITUDES & ELEVATIONS IN FEET
(HEIGHTS IN FEET)
MAG VAR 02°W
NOT TO SCALE
TURON N42 04 05 W008 33 48
ARGA DSA DME CH 99X N41 47 55 W008 42 37 2600
PR674 N41 36 23 W008 40 53
MURO DMU DME CH 85X N41 48 46 W008 11 43 4500
R24C 3400 GND
MSA 25 NM (INNER CIRCLE 15 NM) LPPR ARP
UBANI N41 33 28 W009 14 22
UDRUB N41 25 27 W008 43 39
PR614 N41 26 37 W008 35 50
PR656 N41 24 43 W008 17 08
PR613 N41 24 17 W008 51 28
BELDU N41 21 31 W007 46 38
ASMOV N40 58 10 W009 20 49
PORTO DVOR/DME 114.100 PRT CH 88X N41 16 23 W008 41 16 200
PR660 N41 06 21 W008 18 21
PR634 N41 05 51 W008 30 24
PR633 N41 03 31 W008 45 58
R40A 2000 GND/MSL
R40B/N FL45 1000
AROUCA DAR DME CH 96X N40 56 00 W008 13 31 2400
MANIK N40 41 31 W008 36 58
PESUL N40 52 55 W008 06 54
SCALE 1: 500 000
MSA changed

SID Procedure Coding Table

Path Terminator	Waypoint			Course/Track MAG(True)	Dist NM	Turn Direction	Constraints		Nav Specs	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
Porto SID RNAV 1 RWY 35 – BELDU 9E										
CF	UDRUB	-	412527.33N 0084339.16W	351 (348.8)	-	-	+3000ft	-	RNAV 1	
TF	PR614	-	412636.94N 0083549.57W	081 (078.8)	6.00	Right	+4000ft	-	RNAV 1	
TF	PR656	-	412443.11N 0081707.95W	099 (097.6)	14.19	Right	+FL070	-	RNAV 1	
TF	BELDU	-	412130.63N 0074638.02W	100 (097.8)	23.18	-	+FL100	-	RNAV 1	
Porto SID RNAV 1 RWY 35 – ASMOV 2W										
CF	UDRUB	-	412527.33N 0084339.16W	351 (348.8)	-	-	+3000ft	-	RNAV 1	
TF	PR613	-	412417.18N 0085128.48W	261 (258.8)	6.00	Left	+4000ft	-	RNAV 1	
TF	ASMOV	-	405809.81N 0092049.33W	222 (220.5)	34.24	Left	+FL100	-	RNAV 1	
Porto SID RNAV 1 RWY 35 – PESUL 9E										
CF	UDRUB	-	412527.33N 0084339.16W	351 (348.8)	-	-	+3000ft	-	RNAV 1	
TF	PR614	-	412636.94N 0083549.57W	081 (078.8)	6.00	Right	+4000ft	-	RNAV 1	
TF	PR660	-	410620.52N 0081821.18W	149 (146.9)	24.17	Right	+FL070	-	RNAV 1	
TF	PESUL	-	405255.32N 0080654.37W	149 (147.1)	15.97	-	+FL100	-	RNAV 1	
Porto SID RNAV 1 RWY 35 – MANIK 2E										
CF	UDRUB	-	412527.33N 0084339.16W	351 (348.8)	-	-	+3000ft	-	RNAV 1	
TF	PR614	-	412636.94N 0083549.57W	081 (078.8)	6.00	Right	+4000ft	-	RNAV 1	
TF	PR634	-	410550.74N 0083024.43W	171 (168.8)	21.16	Right	+FL070	-	RNAV 1	
TF	MANIK	-	404130.65N 0083658.21W	193 (191.6)	24.82	Right	+FL100	-	RNAV 1	
Porto SID RNAV 1 RWY 35 – MANIK 2W										
CF	UDRUB	-	412527.33N 0084339.16W	351 (348.8)	-	-	+3000ft	-	RNAV 1	
TF	PR613	-	412417.18N 0085128.48W	261 (258.8)	6.00	Left	+4000ft	-	RNAV 1	
TF	PR633	-	410330.97N 0084558.39W	170 (168.7)	21.17	Left	+FL070	-	RNAV 1	
TF	MANIK	-	404130.65N 0083658.21W	165 (162.7)	23.03	Left	+FL100	-	RNAV 1	
Porto SID RNAV 1 RWY 35 – UBANI 2W										
CF	UDRUB	-	412527.33N 0084339.16W	351 (348.8)	-	-	+3000ft	-	RNAV 1	
TF	UBANI	-	413328.27N 0091422.27W	291 (289.3)	24.44	Left	+FL100	-	RNAV 1	
Porto SID RNAV 1 RWY 35 – TURON 9E										
CF	UDRUB	-	412527.33N 0084339.16W	351 (348.8)	-	-	+3000ft	-	RNAV 1	
TF	PR674	-	413623.27N 0084053.12W	013 (010.8)	11.12	Right	+FL070	-	RNAV 1	
TF	TURON	-	420404.53N 0083348.30W	013 (010.8)	28.18	-	+FL100	-	RNAV 1	

Porto SID RNAV 1 RWY 35

Designator	Route	After Take-off		Remarks
		Climb to ALT/FL	Contact	
BELDU9E	After take-off proceed to UDRUB. Turn right to PR614 –PR656 - BELDU.	FL100	Porto Approach 120.910 MHZ	
ASMOV2W	After take-off proceed to UDRUB. Turn left to PR613 - ASMOV.			
PESUL9E	After take-off proceed to UDRUB. Turn right to PR614 – PR660 – PESUL.			
MANIK2E	After take-off proceed to UDRUB. Turn right to PR614 – PR634 - MANIK.			
MANIK2W	After take-off proceed to UDRUB. Turn left to PR613 – PR633 - MANIK.			
UBANI2W	After take-off proceed to UDRUB. Turn left to UBANI.			
TURON9E	After take-off proceed to UDRUB. Turn right to PR674 – TURON.			

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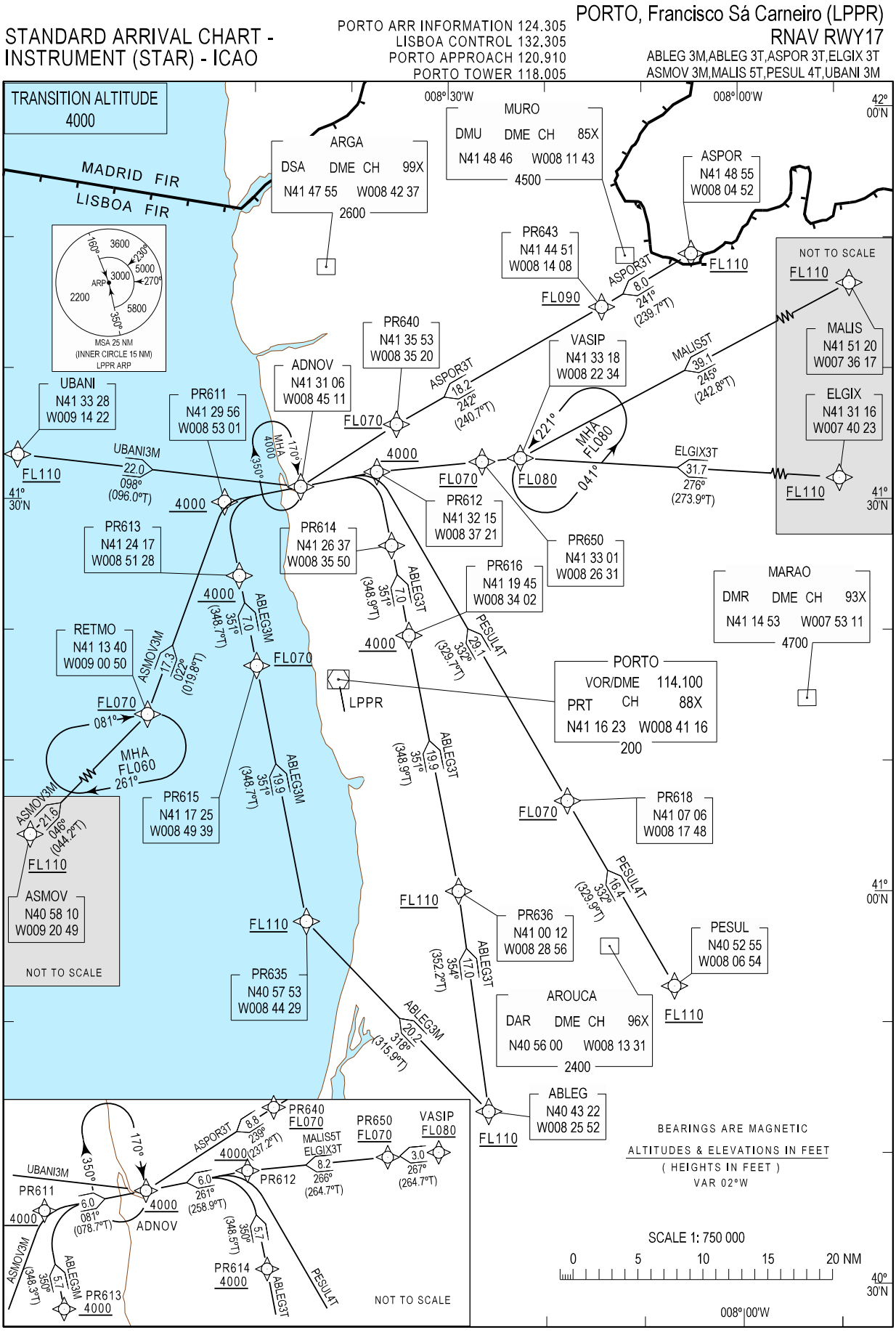

MSA and RETMO holding inbound trach changed.

STAR Procedure Coding Table

Path Terminator	Waypoint			Course/Track MAG (True)	Dist NM	Turn Direction	Constraints		Nav Specs	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
Porto STAR RNAV 1 RWY 17 – ABLEG 3M										
IF	ABLEG	-	404321.57N 0082552.21W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	PR635	-	405752.51N 0084428.75W	318 (315.9)	20.25	Left	+FL110	-	RNAV 1	
TF	PR615	-	411724.96N 0084939.25W	351 (348.7)	19.92	Right	+FL070	-	RNAV 1	
TF	PR613	-	412417.18N 0085128.48W	351 (348.7)	7.00	-	+4000ft	-	RNAV 1	
TF	PR611	-	412955.61N 0085301.40W	350 (348.3)	5.76	-	+4000ft	-	RNAV 1	
TF	ADNOV	-	413105.68N 0084511.39W	081 (078.7)	6.00	Right	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 17 – ABLEG 3T										
IF	ABLEG	-	404321.57N 0082552.21W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	PR636	-	410012.08N 0082856.07W	354 (352.2)	16.99	-	+FL110	-	RNAV 1	
TF	PR616	-	411944.73N 0083401.99W	351 (348.9)	19.91	-	+4000ft	-	RNAV 1	
TF	PR614	-	412636.94N 0083549.57W	351 (348.9)	7.00	-	+4000ft	-	RNAV 1	
TF	PR612	-	413215.21N 0083721.09W	350 (348.5)	5.75	-	+4000ft	-	RNAV 1	
TF	ADNOV	-	413105.68N 0084511.39W	261 (258.9)	6.00	Left	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 17 – ASPOR 3T										
IF	ASPOR	-	414854.49N 0080452.32W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	PR643	-	414450.88N 0081408.49W	241 (239.7)	8.04	-	+FL090	-	RNAV 1	
TF	PR640	-	413553.07N 0083519.79W	242 (240.7)	18.23	-	+FL070	-	RNAV 1	
TF	ADNOV	-	413105.68N 0084511.39W	239 (237.2)	8.82	-	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 17 – ELGIX 3T										
IF	ELGIX	-	413116.35N 0074022.55W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	VASIP	-	413317.92N 0082234.08W	276 (273.9)	31.75	-	+FL080	-	RNAV 1	
TF	PR650	-	413301.38N 0082630.74W	267 (264.7)	2.97	Left	+FL070	-	RNAV 1	
TF	PR612	-	413215.21N 0083721.09W	266 (264.7)	8.18	-	+4000ft	-	RNAV 1	
TF	ADNOV	-	413105.68N 0084511.39W	261 (258.9)	6.00	Left	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 17 – ASMOV 3M										
IF	ASMOV	-	405809.81N 0092049.33W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	RETMO	-	411340.07N 0090049.71W	046 (044.2)	21.65	-	+FL070	-	RNAV 1	
TF	PR611	-	412955.61N 0085301.40W	022 (019.8)	17.28	Left	+4000ft	-	RNAV 1	
TF	ADNOV	-	413105.68N 0084511.39W	081 (078.7)	6.00	Right	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 17 – MALIS 5T										
IF	MALIS	-	415120.05N 0073617.21W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	VASIP	-	413317.92N 0082234.08W	245 (242.8)	39.07	-	+FL080	-	RNAV 1	
TF	PR650	-	413301.38N 0082630.74W	267 (264.7)	2.97	Right	+FL070	-	RNAV 1	
TF	PR612	-	413215.21N 0083721.09W	266 (264.7)	8.18	-	+4000ft	-	RNAV 1	
TF	ADNOV	-	413105.68N 0084511.39W	261 (258.9)	6.00	Left	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 17 – PESUL 4T										
IF	PESUL	-	405255.32N 0080654.37W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	PR618	-	410705.95N 0081747.88W	332 (329.9)	16.39	-	+FL070	-	RNAV 1	
TF	PR612	-	413215.21N 0083721.09W	332 (329.7)	29.14	-	+4000ft	-	RNAV 1	
TF	ADNOV	-	413105.68N 0084511.39W	261 (258.9)	6.00	Left	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 17 – UBANI 3M										
IF	UBANI	-	413328.27N 0091422.27W	-	-	-	+FL110	-	RNAV 1	Clearance limit: ADNOV 4000ft
TF	ADNOV	-	413105.68N 0084511.39W	098 (096.0)	22.04	-	+4000ft	-	RNAV 1	

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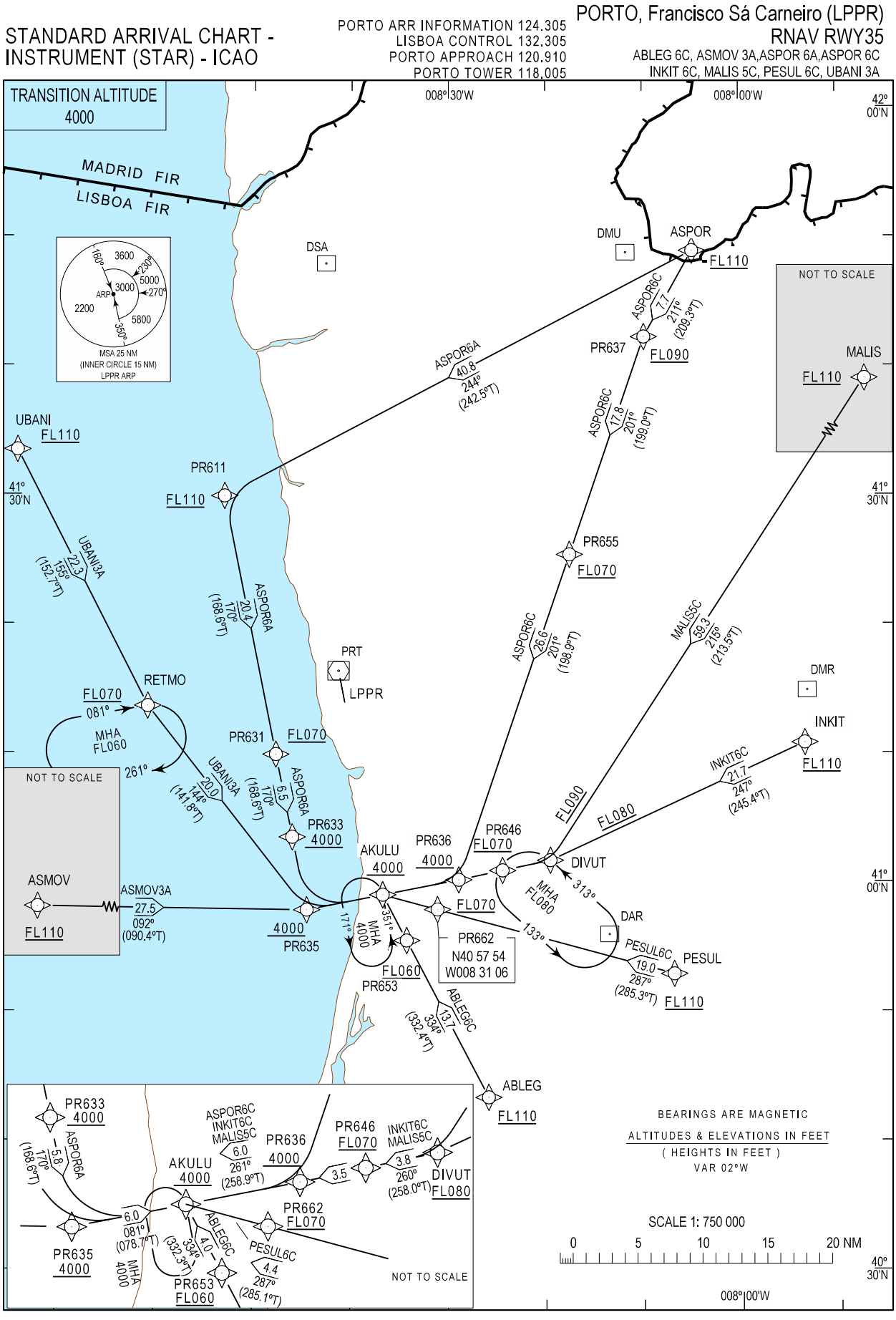

MSA and RETMO holding inbound track changed

STAR Procedure Coding Table

Path Terminator	Waypoint			Course/Track MAG (True)	Dist NM	Turn Direction	Constraints		Nav Specs	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
Porto STAR RNAV 1 RWY 35 – ABLEG 6C										
IF	ABLEG	-	404321.57N 0082552.21W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	PR653	-	405530.00N 0083415.13W	334 (332.4)	13.70	-	+FL060	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	334 (332.3)	4.00	-	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 35 – ASPOR 6A										
IF	ASPOR	-	414854.49N 0080452.32W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	PR611	-	412955.61N 0085301.40W	244 (242.5)	40.78	-	+FL110	-	RNAV 1	
TF	PR631	-	410955.09N 0084740.45W	170 (168.6)	20.40	Left	+FL070	-	RNAV 1	
TF	PR633	-	410330.97N 0084558.39W	170 (168.6)	6.53	-	+4000ft	-	RNAV 1	
TF	PR635	-	405752.51N 0084428.75W	170 (168.6)	5.75	-	+4000ft	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	081 (078.7)	6.00	Left	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 35 – ASPOR 6C										
IF	ASPOR	-	414854.49N 0080452.32W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	PR637	-	414214.34N 0080951.99W	211 (209.3)	7.65	-	+FL090	-	RNAV 1	
TF	PR655	-	412523.53N 0081733.63W	201 (199.0)	17.80	Left	+FL070	-	RNAV 1	
TF	PR636	-	410012.08N 0082856.07W	201 (198.9)	26.60	-	+4000ft	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	261 (258.9)	6.00	Right	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 35 – INKIT 6C										
IF	INKIT	-	411049.05N 0075326.91W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	DIVUT	-	410142.79N 0081933.37W	247 (245.4)	21.73	-	+FL080	-	RNAV 1	
TF	PR646	-	410055.55N 0082427.11W	260 (258.0)	3.79	Right	+FL070	-	RNAV 1	
TF	PR636	-	410012.08N 0082856.07W	260 (258.0)	3.47	-	+4000ft	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	261 (258.9)	6.00	-	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 35 – ASMOV 3A										
IF	ASMOV	-	405809.81N 0092049.33W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	PR635	-	405752.51N 0084428.75W	092 (090.4)	27.53	-	+4000ft	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	081 (078.7)	6.00	Left	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 35 – MALIS 5C										
IF	MALIS	-	415120.05N 0073617.22W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	DIVUT	-	410142.79N 0081933.37W	215 (213.5)	59.32	-	+FL090	-	RNAV 1	
TF	PR646	-	410055.55N 0082427.11W	260 (258.0)	3.79	Right	+FL070	-	RNAV 1	
TF	PR636	-	410012.08N 0082856.07W	260 (258.0)	3.47	-	+4000ft	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	261 (258.9)	6.00	-	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 35 – PESUL 6C										
IF	PESUL	-	405255.32N 0080654.37W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	PR662	-	405754.19N 0083106.37W	287 (285.3)	19.01	-	+FL070	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	287 (285.1)	4.39	-	+4000ft	-	RNAV 1	
Porto STAR RNAV 1 RWY 35 – UBANI 3A										
IF	UBANI	-	413328.27N 0091422.27W	-	-	-	+FL110	-	RNAV 1	Clearance limit: AKULU 4000ft
TF	RETMO	-	411340.07N 0090049.71W	154 (152.7)	22.26	-	+FL070	-	RNAV 1	
TF	PR635	-	405752.51N 0084428.75W	144 (141.8)	20.05	Left	+4000ft	-	RNAV 1	
TF	AKULU	-	405902.56N 0083642.55W	081 (078.7)	6.00	Left	+4000ft	-	RNAV 1	

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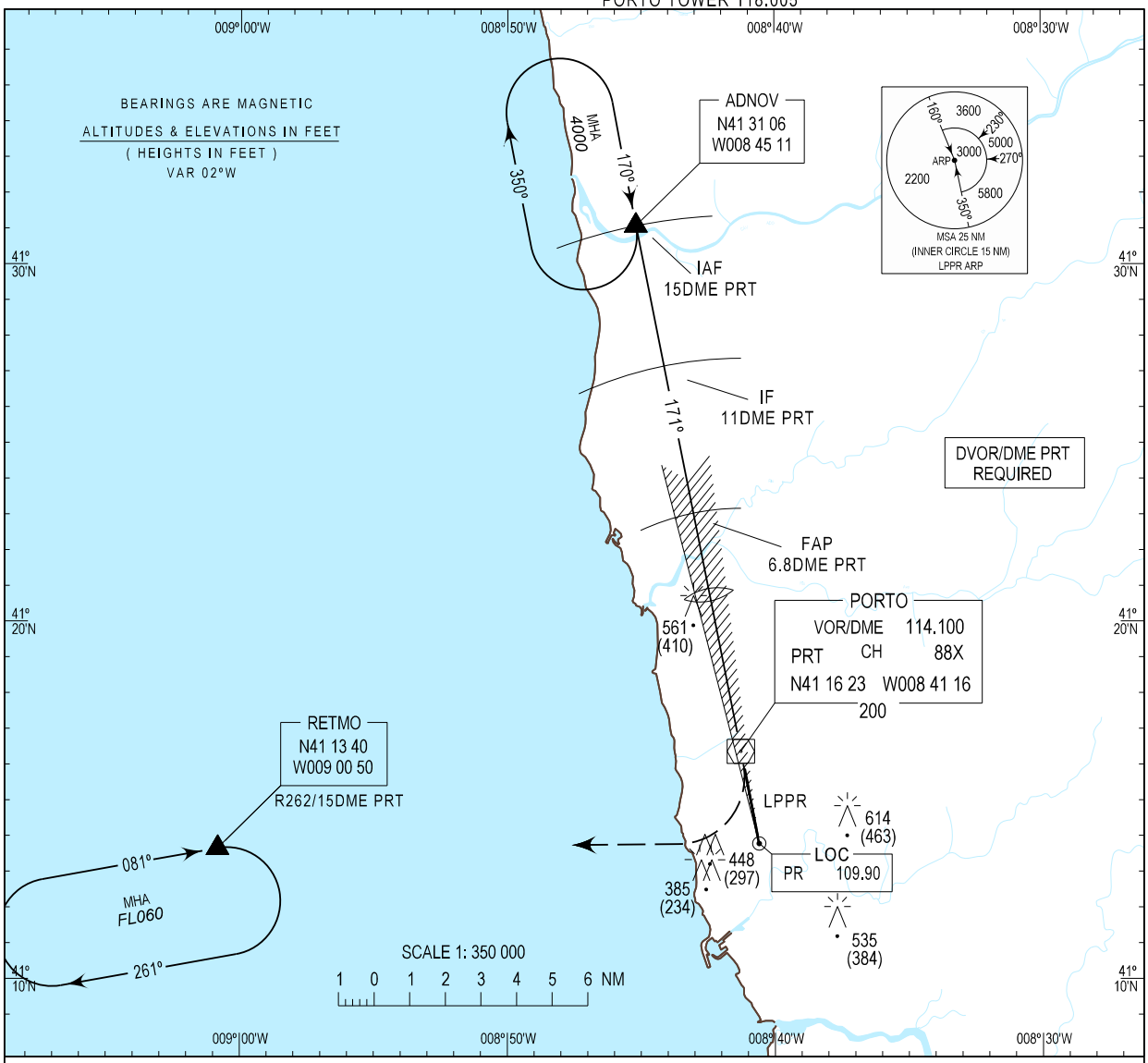
INSTRUMENT APPROACH CHART - ICAO

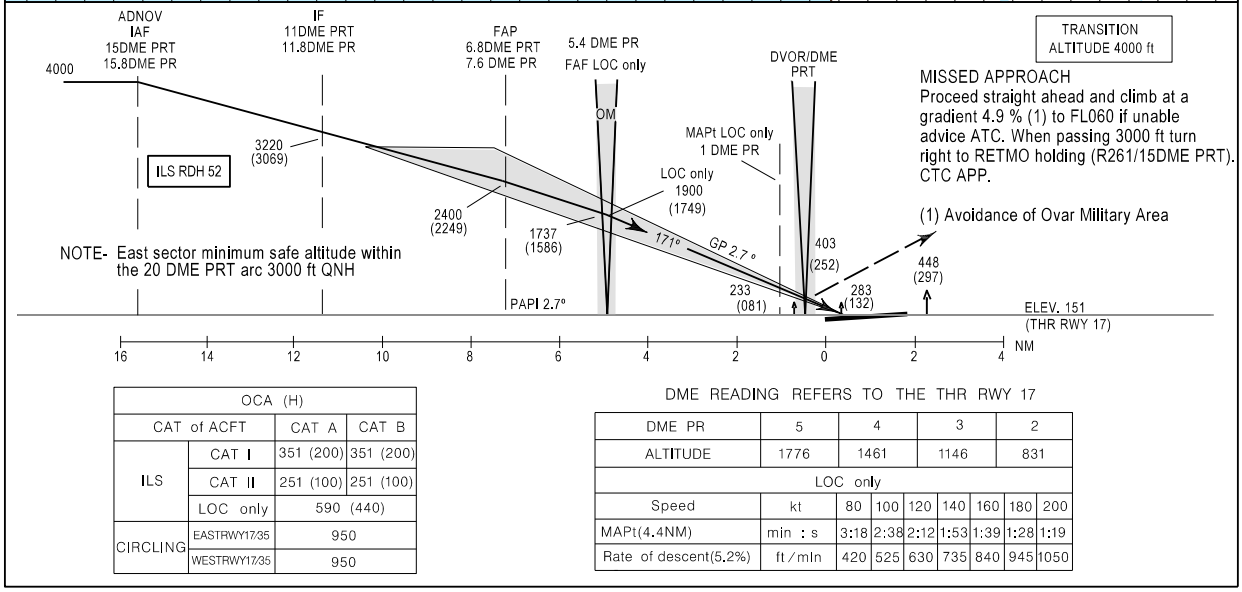
AD ELEV 227 ft
HEIGHTS RELATED
THR RWY 17 - ELEV 151 ft

PORTO, Francisco Sá Carneiro (LPPR)

PORTO ARR INFORMATION 124.305
PORTO APPROACH 120.910
PORTO TOWER 118.005

ILS
RWY17
CAT A-B





OCA (H)			
CAT of ACFT		CAT A	CAT B
ILS	CAT I	351 (200)	351 (200)
	CAT II	251 (100)	251 (100)
	LOC only	590 (440)	
CIRCLING	EASTRWY17/35	950	
	WESTRWY17/35	950	

DME READING REFERS TO THE THR RWY 17

DME PR		5	4	3	2
ALTITUDE		1776	1461	1146	831
LOC only					
Speed	kt	80	100	120	140	160	180	200
MAPt(4.4NM)	min : s	3:18	2:38	2:12	1:53	1:39	1:28	1:19
Rate of descent(5.2%)	ft/min	420	525	630	735	840	945	1050

MSA and RETMO holding inbound track changed.

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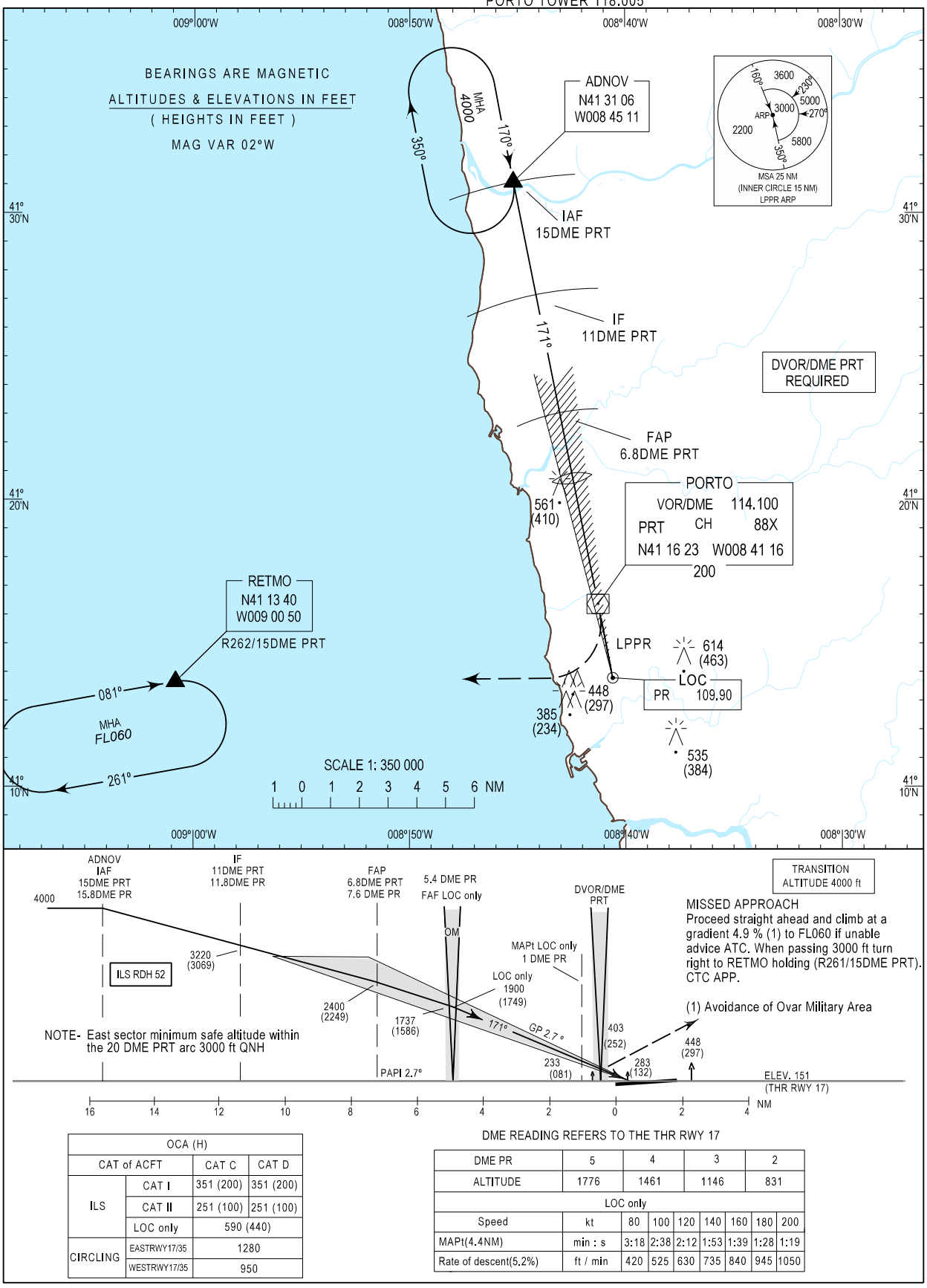
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 227 ft
HEIGHTS RELATED
THR RWY 17 - ELEV 151 ft

PORTO, Francisco Sá Carneiro (LPPR)

PORTO ARR INFORMATION 124.305
PORTO APPROACH 120.910
PORTO TOWER 118.005

ILS
RWY17
CAT C-D



OCA (H)			
CAT of ACFT		CAT C	CAT D
ILS	CAT I	351 (200)	351 (200)
	CAT II	251 (100)	251 (100)
	LOC only	590 (440)	
CIRCLING	EASTRWY17/35	1280	
	WESTRWY17/35	950	

DME READING REFERS TO THE THR RWY 17

DME PR	5	4	3	2
ALTITUDE	1776	1461	1146	831
LOC only				

Speed	kt	80	100	120	140	160	180	200
MAPt(4.4NM)	min : s	3:18	2:38	2:12	1:53	1:39	1:28	1:19
Rate of descent(5.2%)	ft / min	420	525	630	735	840	945	1050

MSA and RETMO holding inbound track changed

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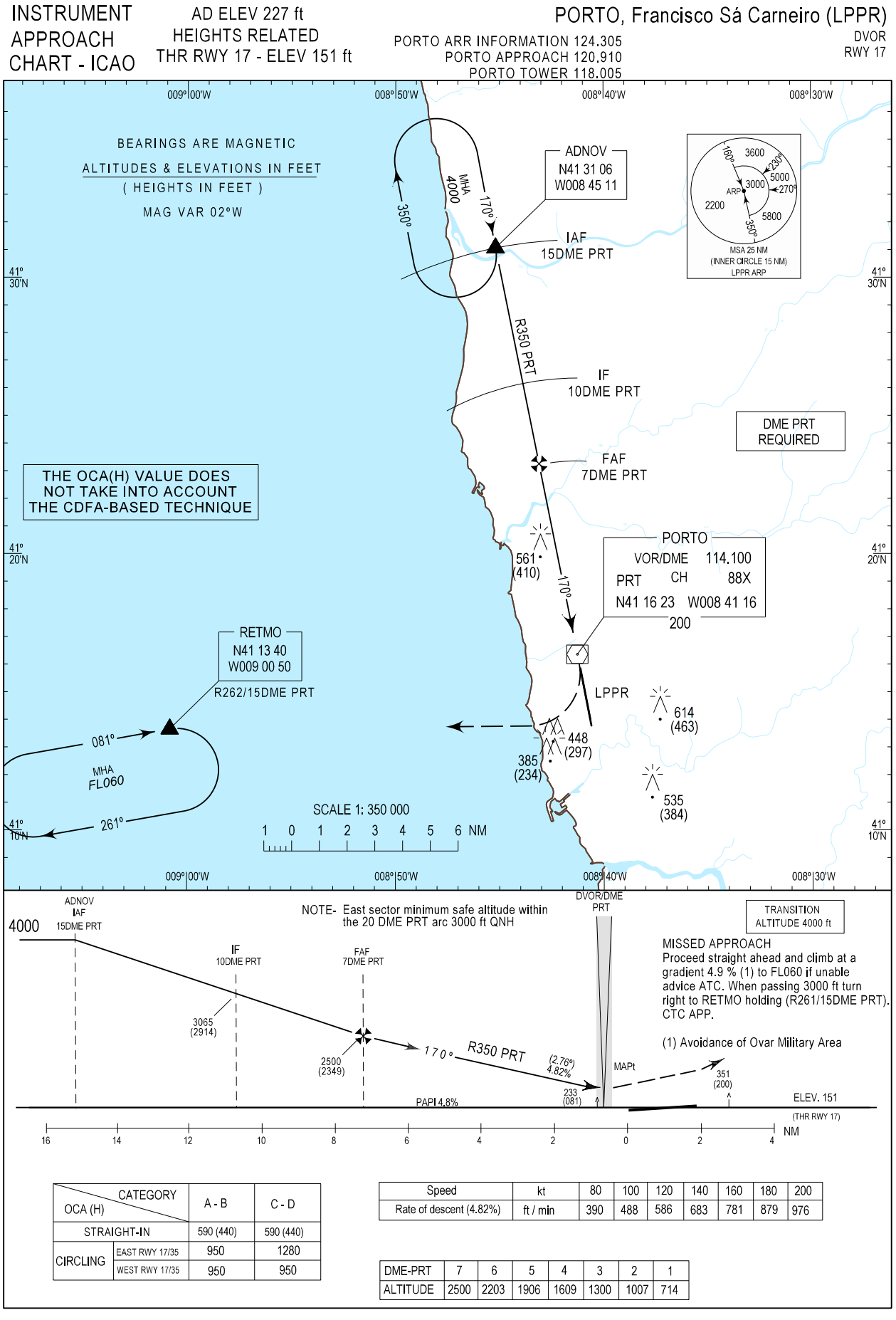

OCA (H) \ CATEGORY		A - B	C - D
STRAIGHT-IN		590 (440)	590 (440)
CIRCLING	EAST RWY 17/35	950	1280
	WEST RWY 17/35	950	950

Speed	kt	80	100	120	140	160	180	200
Rate of descent (4.82%)	ft / min	390	488	586	683	781	879	976

DME-PRT	7	6	5	4	3	2	1
ALTITUDE	2500	2203	1906	1609	1300	1007	714

MSA and RETMO holding inbound track changed.

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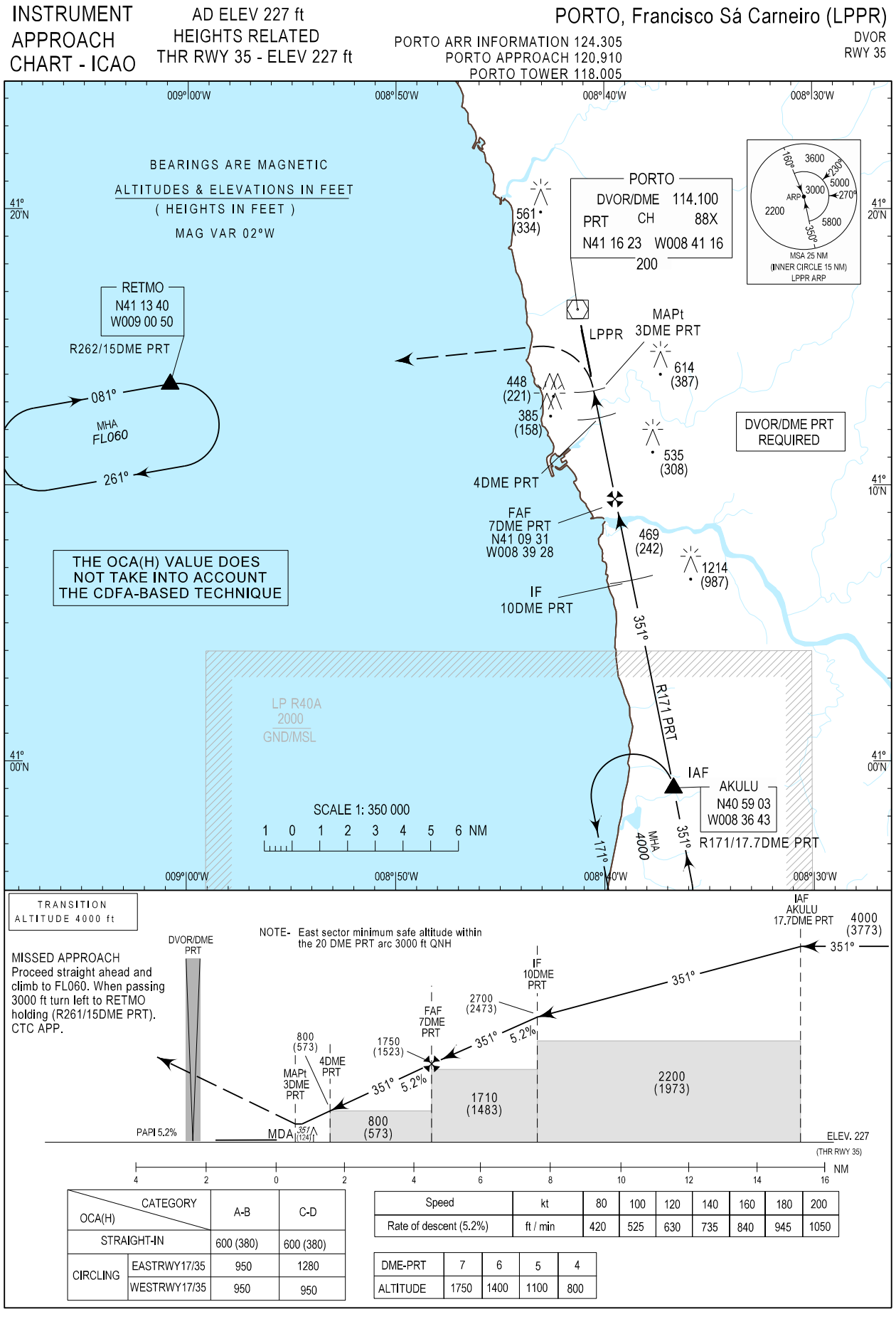

OCA(H) / CATEGORY		A-B	C-D
STRAIGHT-IN		600 (380)	600 (380)
CIRCLING	EASTRWY17/35	950	1280
	WESTRWY17/35	950	950

Speed	kt	80	100	120	140	160	180	200
Rate of descent (5.2%)	ft / min	420	525	630	735	840	945	1050

DME-PRT	7	6	5	4
ALTITUDE	1750	1400	1100	800

MSA and RETMO holding inbound track changed

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INSTRUMENT APPROACH CHART - ICAO

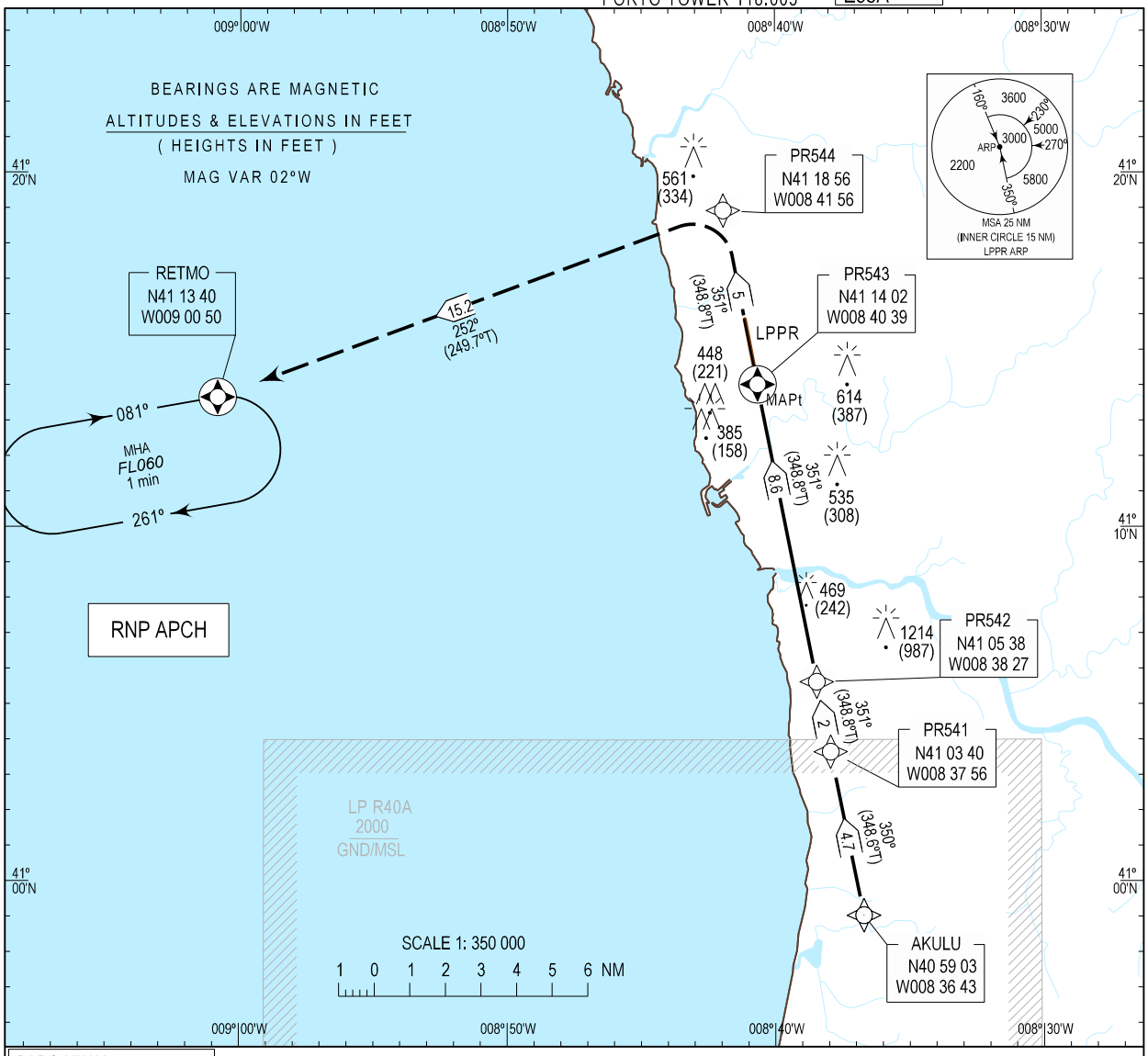
AD ELEV 227 ft
HEIGHTS RELATED
THR RWY 35 - ELEV 227 ft

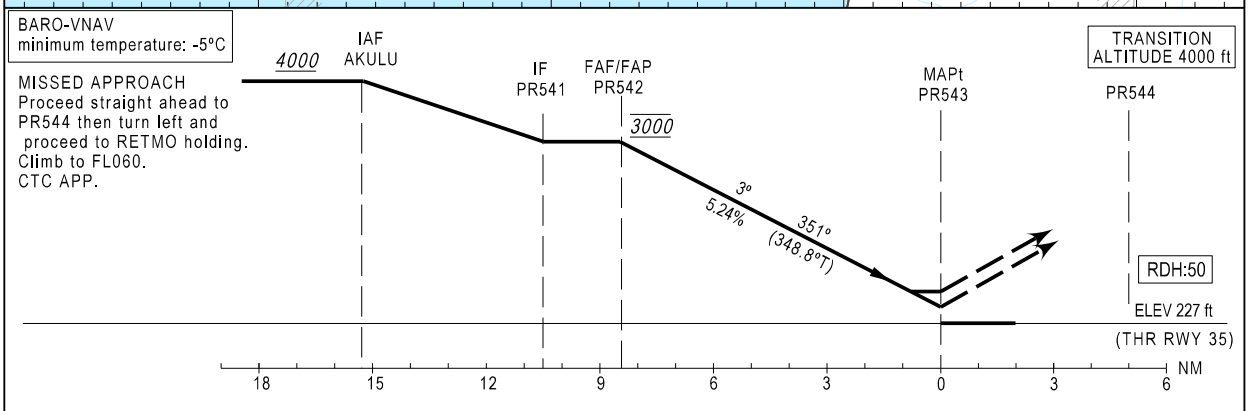
PORTO, Francisco Sá Carneiro (LPPR)

PORTO ARR INFORMATION 124.305
PORTO APPROACH 120.910
PORTO TOWER 118.005

EGNOS
CH 92 423
E35A

RNP RWY35





CAT	LPV		LNAV/VNAV		LNAV		CIRCLING RWY35	
							WEST	EAST
	DA/H	OCH	DA/H	OCH	MDA/H	OCH	MDA/H	MDA/H
A	480 (253)	196	500 (273)	264	540 (313)	311	950 (723)	950 (723)
B	480 (253)	206	510 (283)	280	540 (313)	311	950 (723)	950 (723)
C	480 (253)	216	530 (303)	296	540 (313)	311	950 (723)	1280 (1053)
D	480 (253)	226	540 (313)	310	540 (313)	311	950 (723)	1280 (1053)

FAP/FAF -THR35	8.6	8	7	6	5	4	3	2	1
Altitude (Height)	3000 (2773)	2824 (2597)	2506 (2279)	2187 (1960)	1869 (1642)	1551 (1324)	1232 (1005)	914 (687)	595 (368)

Rate of descend (5.2%)	kt	80	100	120	140	160	180	200
	ft/min	420	525	630	730	835	940	1045

MSA and RETMO holding inbound track changed

Instrument Approach Procedure Coding Table
RNP RWY 35

Path Terminator	Waypoint				Course/Track MAG (True)	Dist NM	Turn Direction	Altitude	Speed	RNP Value NM	Navigation Specification	Remarks
	Identifier	Type	Flyover	Coordinates								
IF	AKULU	IAF	-	405903.00N 0083643.00W	-	-	-	+4000	-	1.0	RNP APCH	-
TF	PR541	IF	-	410339.64N 0083756.48W	350 (348.6)	4.70	-	+3000	-	1.0	RNP APCH	-
TF	PR542	FAF/FAP	-	410538.03N 0083827.35W	350 (348.8)	2.01	-	@3000	-	1.0	RNP APCH	-
TF	PR543	MAPT (LNAV only)	Y	411401.99N 0084039.13W	350 (348.8)	8.56	-	-	-	0.3	RNP APCH	-
TF	PR544	MATF	-	411856.44N 0084156.39W	350 (348.8)	5.00	L	-	-	1.0	RNP APCH	-
TF	RETMO	MAHP	Y	411340.07N 0090049.71W	252 (249.8)	15.19	-	FL060	-	1.0	RNP APCH	-

HLDG ID	INBD TR (MAG)	Direction of PTN	MAX IAS (KT)	MNM-MAX HLDG LVL FL/FT (MSL)	TIME (MIN) or DIST OUBD	Controling Unit
1	**2**	**3**	**4**	**5**	**6**	**7**
RETMO 411340N 0090050W	082	RIGHT	230	FL060 FL 140	1 min	RNAV Porto TWR

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LPPR
Runway	35
Runway Direction	0
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E35A
LTP/FTP Latitude	411401.9855N
LTP/FTP Longitude	0084039.1275W
LTP/FTP Ellipsoidal Height (metres)	124.1
FPAP Latitude	411547.9435N
Delta FPAP Latitude (seconds)	105.9580
FPAP Longitude	0084106.9160W
Delta FPAP Longitude (seconds)	-27.7885
Threshold Crossing Height	15.0
TCH Units Selector	1
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 12 10 10 0C 23 00 00 01 35 33 05 03 17 B2 11 51 A8 46 FC D9 18 CC 3B 03 E7 26 FF 2C 81 2C 01 64 00 C8 FA 6C D1 BE 7D
Calculated CRC Value	6CD1BE7D

Required Additional Data

ICAO Code	PT
LTP/FTP Orthometric Height (metres)	69.2
FPAP Orthometric Height (metres)	69.2

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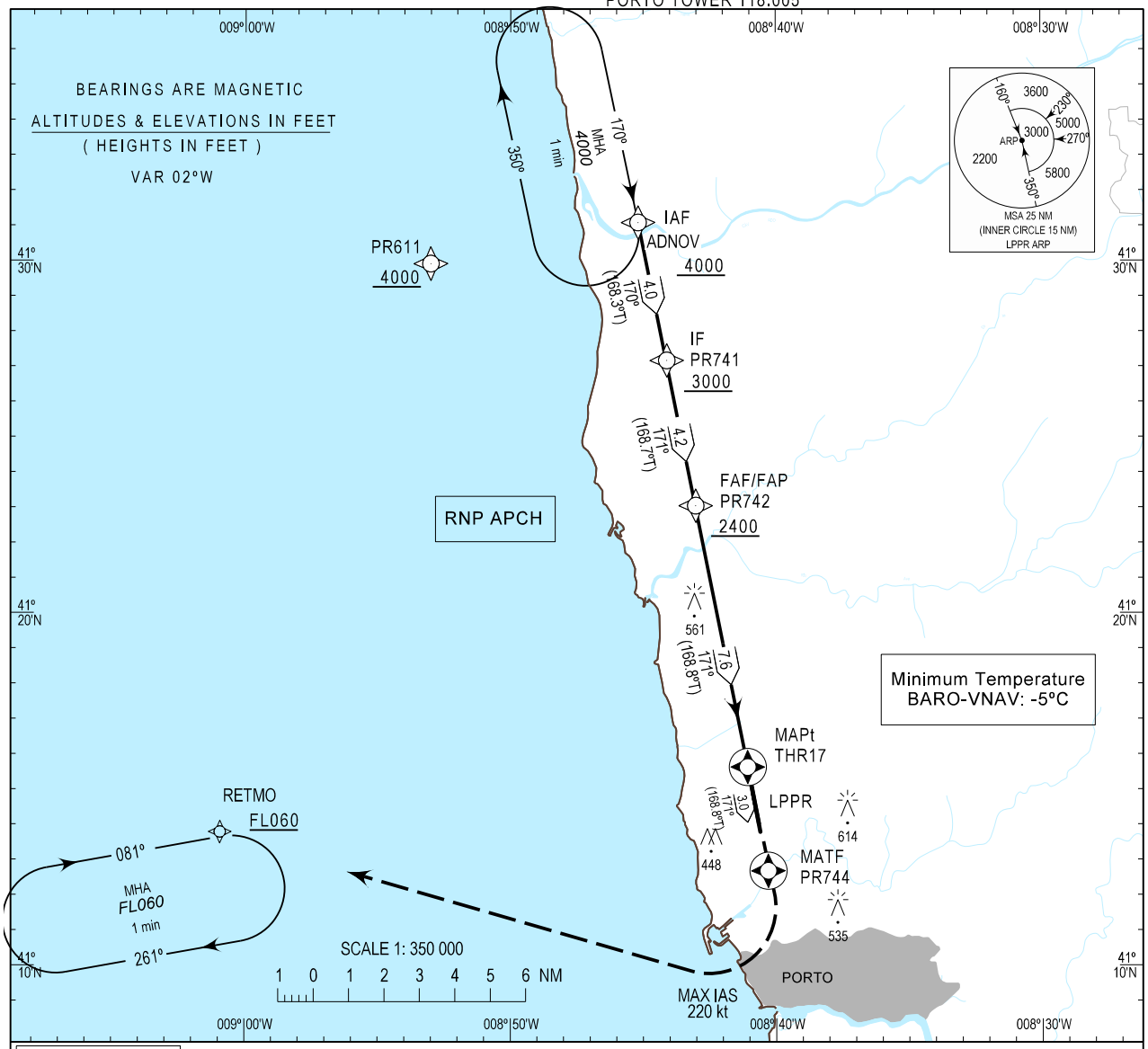
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 227 ft
HEIGHTS RELATED
THR RWY 17 - ELEV 151 ft

PORTO, Francisco Sá Carneiro (LPPR)

PORTO INFORMATION 124.305
PORTO APPROACH 120.910
PORTO TOWER 118.005

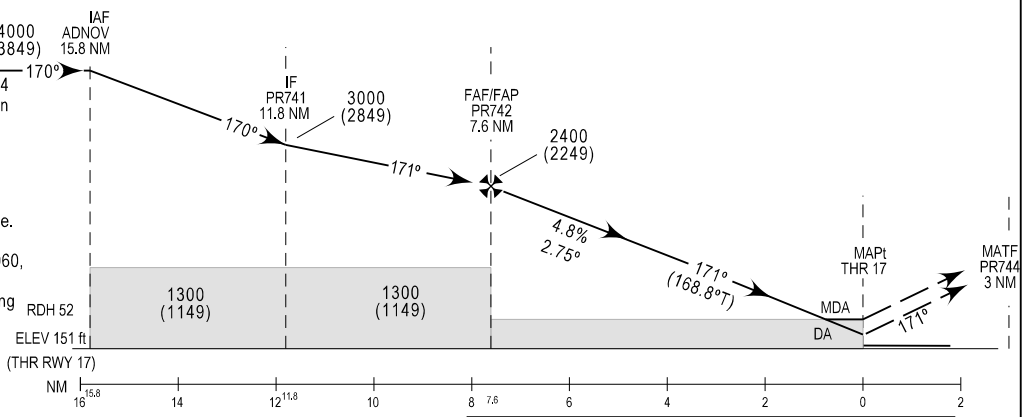
RNP Y RWY 17



TRANSITION
ALTITUDE 4000 ft

MISSED APPROACH
Proceed straight ahead to PR744 climbing to FL060. At PR744 turn right (MAX IAS 220 kt) direct to RETMO and hold.
CTC APP.

RCF:
Squawk 7600. Proceed as above. At RETMO holding make one complete holding pattern at FL060, then turn right direct to PR611, then direct to ADNOV descending to 4000 ft to perform another approach.



CAT	LNAV-VNAV		LNAV		CIRCLING MDA (H)	
	DA (H)	OCH	MDA (H)	OCH	WEST	EAST
A	500 (350)	348	600 (450)	449	750 (523)	940 (713)
B	500 (350)	348	600 (450)	449	750 (523)	940 (713)
C	500 (350)	348	600 (450)	449	920 (693)	1290(1063)
D	500 (350)	348	600 (450)	449	920 (693)	1290(1063)

DIST THR17 (NM)	7.0	6.0	5.0	4.0	3.0	2.0	1.0
ALTITUDE (ft)	2250	1960	1670	1370	1080	790	500
HEIGHT (ft)	(2100)	(1809)	(1519)	(1219)	(929)	(639)	(349)

Speed	(kt)	80	100	120	140	160	180	200
RoD (2.75°)	(ft/min)	390	490	590	690	780	880	980
FAF-MAPt (7.6NM)	(min:sec)	5:45	4:35	3:50	3:20	2:55	2:35	2:20

New Chart

Instrument Approach Procedure Coding Table												
LPPR RNP Y RWY17												
Path Terminator	Waypoint				Course/Track MAG (True)	Dist NM	Turn Direction	Upper limit [ft] / Lower limit [ft]	Speed (kt)	VPA [°]/TCH [ft]	Navigation Specification
	Identifier	Type	Flyover	Coordinates							
IF	ADNOV	IAF	N	413105.68N 0084511.39W	- -	-	-	- 4000	-	-	RNP APCH
TF	PR741	IF	N	412710.81N 0084406.58W	170 (168.2)	4.0	-	- 3000	-	-	RNP APCH
TF	PR742	FAF/FAP	N	412303.40N 0084301.36W	171 (168.7)	4.2	-	- 2400	-	-	RNP APCH
TF	THR17	MAPt	Y	411538.45N 0084104.42W	171 (168.8)	7.6	-	- -	-	-2.75° / 52	RNP APCH
TF	PR744	MATF	Y	411241.72N 0084018.01W	171 (168.8)	3.0	-	- -	220	-	RNP APCH
DF	RETMO	-	N	411340.07N 0090049.71W	- -	-	R	- FL060	-	-	RNP APCH

Instrument Approach Procedure Coding Table												
LPPR RNP Y RWY17 RCF												
Path Terminator	Waypoint				Course/Track MAG (True)	Dist NM	Turn Direction	Upper limit [ft] / Lower limit [ft]	Speed (kt)	VPA [°]/TCH [ft]	Navigation Specification	
	Identifier	Type	Flyover	Coordinates								
IF	RETMO	-	N	411340.07N 0090049.71W	- -	-	-	- FL060	-	-	RNP APCH	
TF	PR611	-	N	412955.61N 0085301.40W	022 (019.8)	17.3	-	- 4000	-	-	RNP APCH	
IF	ADNOV	IAF	N	413105.68N 0084511.39W	081 (078.7)	6.0	-	- 4000	-	-	RNP APCH	

I

INSTRUMENT APPROACH CHART - ICAO

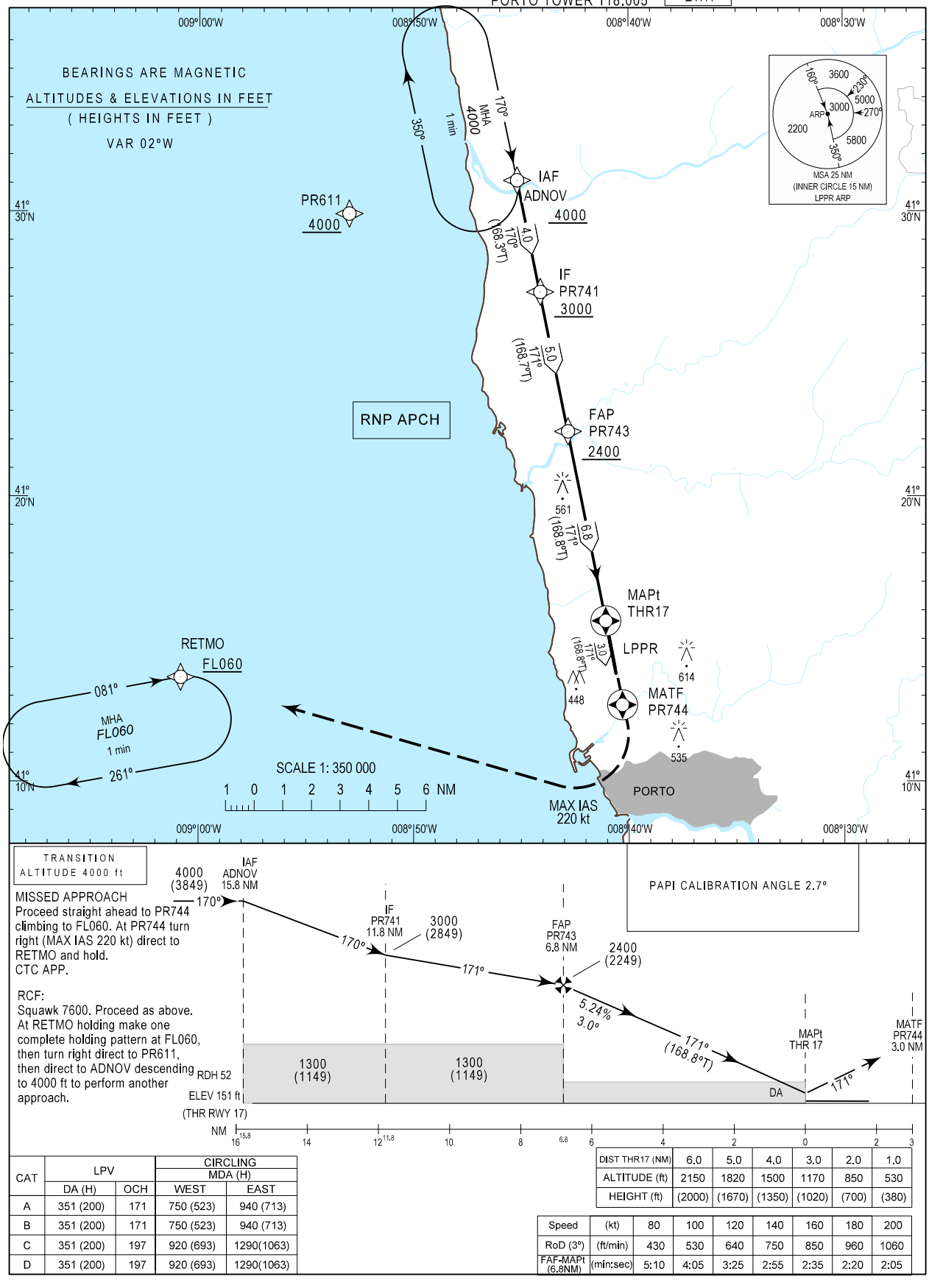
AD ELEV 227 ft
HEIGHTS RELATED
THR RWY 17 - ELEV 151 ft

PORTO, Francisco Sá Carneiro (LPPR)

PORTO INFORMATION 124.305
PORTO APPROACH 120.910
PORTO TOWER 118.005

EGNOS
CH 79684
E17A

RNP Z (LPV ONLY)
RWY 17



TRANSITION
ALTITUDE 4000 ft

MISSED APPROACH
Proceed straight ahead to PR744 climbing to FL060. At PR744 turn right (MAX IAS 220 kt) direct to RETMO and hold.
CTC APP.

RCF:
Squawk 7600. Proceed as above.
At RETMO holding make one complete holding pattern at FL060, then turn right direct to PR611, then direct to ADNOV descending to 4000 ft to perform another approach.

PAPI CALIBRATION ANGLE 2.7°

CAT	LPV		CIRCLING MDA (H)	
	DA (H)	OCH	WEST	EAST
A	351 (200)	171	750 (523)	940 (713)
B	351 (200)	171	750 (523)	940 (713)
C	351 (200)	197	920 (693)	1290(1063)
D	351 (200)	197	920 (693)	1290(1063)

DIST THR17 (NM)	6.0	5.0	4.0	3.0	2.0	1.0
ALTITUDE (ft)	2150	1820	1500	1170	850	530
HEIGHT (ft)	(2000)	(1670)	(1350)	(1020)	(700)	(380)

Speed	(kt)	80	100	120	140	160	180	200
RoD (3°)	(ft/min)	430	530	640	750	850	960	1060
FAF-MAPt (6.8NM)	(min:sec)	5:10	4:05	3:25	2:55	2:35	2:20	2:05

New Chart

Instrument Approach Procedure Coding Table											
LPPR RNP Y RWY17											
Path Terminator	Waypoint				Course/Track MAG (True)	Dist NM	Turn Direction	Upper limit [ft] / Lower limit [ft]	Speed (kt)	VPA [°]/TCH [ft]	Navigation Specification
	Identifier	Type	Flyover	Coordinates							
IF	ADNOV	IAF	N	413105.68N 0084511.39W	- -	-	-	- 4000	-	-	RNP APCH
TF	PR741	IF	N	412710.81N 0084406.58W	170 (168.3)	4.0	-	- 3000	-	-	RNP APCH
TF	PR743	FAF/FAP	N	412217.25N 0084249.21W	171 (168.7)	5.0	-	- 2400	-	-	RNP APCH
TF	THR17	MAPt	Y	411538.45N 0084104.42W	171 (168.8)	6.8	-	- -	-	-3.00° / 52	RNP APCH
TF	PR744	MATF	Y	411241.72N 0084018.01W	171 (168.8)	3.0	-	- -	220	-	RNP APCH
DF	RETMO	-	N	411340.07N 0090049.71W	- -	-	R	- FL060	-	-	RNP APCH

Instrument Approach Procedure Coding Table											
LPPR RNP Y RWY17 RCF											
Path Terminator	Waypoint				Course/Track MAG (True)	Dist NM	Turn Direction	Upper limit [ft] / Lower limit [ft]	Speed (kt)	VPA [°]/TCH [ft]	Navigation Specification
	Identifier	Type	Flyover	Coordinates							
IF	RETMO	-	N	411340.07N 0090049.71W	- -	-	-	- FL060	-	-	RNP APCH
TF	PR611	-	N	412955.61N 0085301.40W	022 (019.8)	17.3	-	- 4000	-	-	RNP APCH
IF	ADNOV	IAF	N	413105.68N 0084511.39W	081 (078.7)	6.0	-	- 4000	-	-	RNP APCH

Type Category (Variation)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR/DME (06ºW-2020)	VMG	111.200 MHZ CH 49X	H24	VOR: 375045.6N 0254529.3W DME: 375045.3N 0254528.7W	2800FT	Coverage: 150NM- FL500 **DVOR not usable:** 090º/120º BYD 30NM BLW 8000FT RDL062 BYD 40NM BLW 8000FT RDL094 excessive VOR needle fluctuations at 12-13NM and 19-24NM below 8000FT. **DME not usable:** 170º/190º BYD 40NM BLW 6000FT. DME false ranges and unlocks may occur beyond 92NM at 5500FT.
ILS RWY 18 (CAT I)						
LOC (07ºW-2020)	MA	110.300 MHZ	H24	365720.2N 0251002.9W		NIL
GP		335.000 MHZ	H24	365900.6N 0251017.6W		Slope 2.75 DEG HGT of ILS: 50FT.

LPAZ AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Limitations on use of aerodrome

NIL

2. Taxiing

Due to wingspan Taxiway D and Taxiway E can not be used by the below mentioned aircraft:

- Boeing 747 / 777
- Airbus A330 / A340
- Lockheed C5 (Galaxy)
- McDonnell-Douglas MD11
- Antonov 124 / 225

LPAZ AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

LPAZ AD 2.22 FLIGHT PROCEDURES

1. STANDARD INSTRUMENT DEPARTURES FROM SANTA MARIA AERODROME

STANDARD INSTRUMENT DEPARTURE (SID) DESCRIPTIONS: see back of SID charts.

2. STANDARD INSTRUMENT ARRIVAL TO SANTA MARIA AERODROME

GENERAL REMARKS:

Above Minimum Flight Altitude non-standard Instrument Arrival Routes and procedures may be assigned by ATC.

Depending on Traffic conditions, ATC may clear RNAV certified flights for a Straight-in ILS approach (IAF VSM RDL 359/15NM DME) - see page LPAZ AD 2.24.12-1. Flights so cleared shall proceed direct to the IAF above, and if necessary for the purposes of DOC. 8168, chapter 4, paragraph 4.4.1, the IAF associated holding pattern shall be flown as per DOC. 8168, chapter 1, paragraph 1.3.8. Pilots must ensure no MSA's are infringed, and, when ready for the approach, shall cross the IAF at the altitude appropriate for the procedure.

RADIO COMMUNICATIONS FAILURE:

1. In the event of RCF, aircraft shall proceed to VSM Holding (North or South) according to Runway in use, at last assigned level.

2. At ETA according to current flight plan, start descent to initial approach altitude to carry out a standard IFR approach, according to IAC.

STANDARD INSTRUMENT ARRIVAL (STAR) DESCRIPTIONS: see back of STAR charts.

3. HOLDING PROCEDURES

HLDG ID/FIX/WPT Coordinates	INBD TR (MAG)	Direction of PTN	MAX IAS (KT)	MNM-MAX HLDG LVL FL/FT (MSL)	TIME (MIN) or DIST OUBD
GIRIX GIRIX 371234N0251311W RDL357-DME15 VSM VOR/DME	177°	RIGHT	230	3500 FT ALT FL 140	5 NM
SANTA MARIA/VSM SANTA MARIA VOR/DME 365746N0250959W	202°	RIGHT	230	3500 FT ALT FL 140	1 MIN
SANTA MARIA/VSM SANTA MARIA VOR/DME 365746N0250959W	334°	LEFT	230	3500 FT ALT FL 140	1 MIN
SANTA MARIA/VSM SANTA MARIA VOR/DME 365746N0250959W	334°	LEFT	280	FL 150 FL 999	1.5 MIN
URATU URATU 364146N0250914W RDL185-DME16 VSM VOR/DME	005°	RIGHT	230	3500 FT ALT FL 140	5 NM

LPAZ AD 2.23 ADDITIONAL INFORMATION

On taxiing expect seasonal bird activity at the Ramp (March to June and September to November).

LPAZ AD 2.24 CHARTS RELATED TO THE AERODROME

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