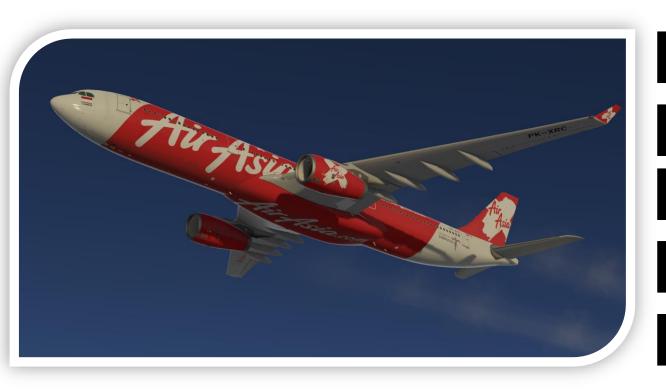
# A320 to A330 Cross Qualification BOOKLET





# **FLEET QUICK INTRODUCTION**



The Reds Virtual operates A330-300 series

Recommended Software: Aerosoft A330 RR

Registration(s): PK-XRA & PK-XRC

**Callsign: RED PHOENIX** 

Seating Capacity: 377 (12 Premium Flatbeds + 365 economy)



### Aircraft General



# General Procedures Differences from A320

Normal Engine Start: Number 1 follows by 2

One Engine Taxi Out is Not Applied. Engine warm up time is 5 minutes instead of 2 minutes

Thrust setting is EPR 1.05 instead of 50% N1 before applying take off thrust

Flaps 3 GPWS pb-sw is not featured, for Config 3 landing only modification on MCDU is required

One Engine Taxi In is still applied. Engine cool down period is 1

minute instead of 3 minutes

For A330, in case of one engine taxi in, shut down engine No.2

No electric pump required since brake accumulator is still supplied by engine No.1



## Aircraft General



# Performance and Capability

Approach Speed Category: Category C

Wingspan Category: Category E

ETOPS: 120 minutes

Certified Landing Capability: Category II Approach

Minimum Runway Width for Operation: 45 Meters



## Aircraft General



# **Basic Weights**

Maximum Ramp Weight: 233900 kgs

Maximum Structural Takeoff Weight: 233000 kgs

Maximum Zero Fuel Weight: 175000 kgs

Maximum Landing Weight: 187000 kgs

Minimum Weight: 121000 kgs

Maximum Tank Capacity: 76500 kgs



# Route Network





# **Special Operations**

# Low Visibility Operations: CAT II

The automatic approach and landing system for CAT II operations:

Minimum decision height (DH) 100 ft

Minimum 1 AP in APPR mode

CAT II or better displayed on FMA EXAMPLE: CATIII SINGLE / CAT III DUAL

MANUAL LANDING PERMITTED

Provided A/P disengaged before reaching 80 feet Radio Altimeter

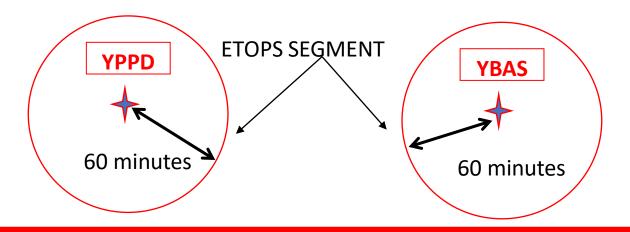


# **Special Operations**

## **ETOPS**

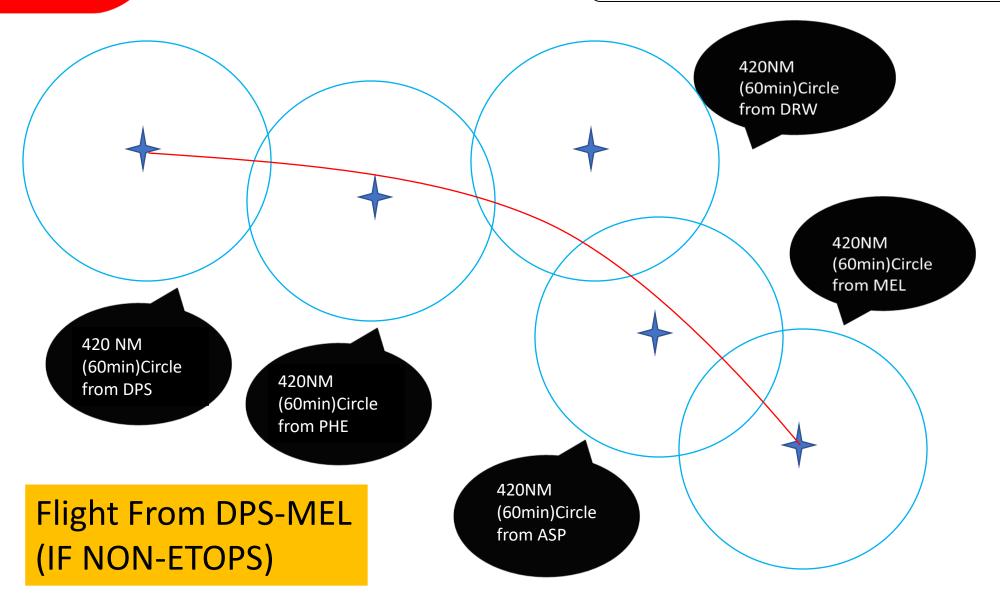
ETOPS (Extended Twin Operations) describes the operation of twin engine aircraft over a route that contains a point further than further than 60 minutes flying time from an

ADEQUATE airport at the approved one-engine-out diversion cruise speed schedule in still air and ISA conditions.



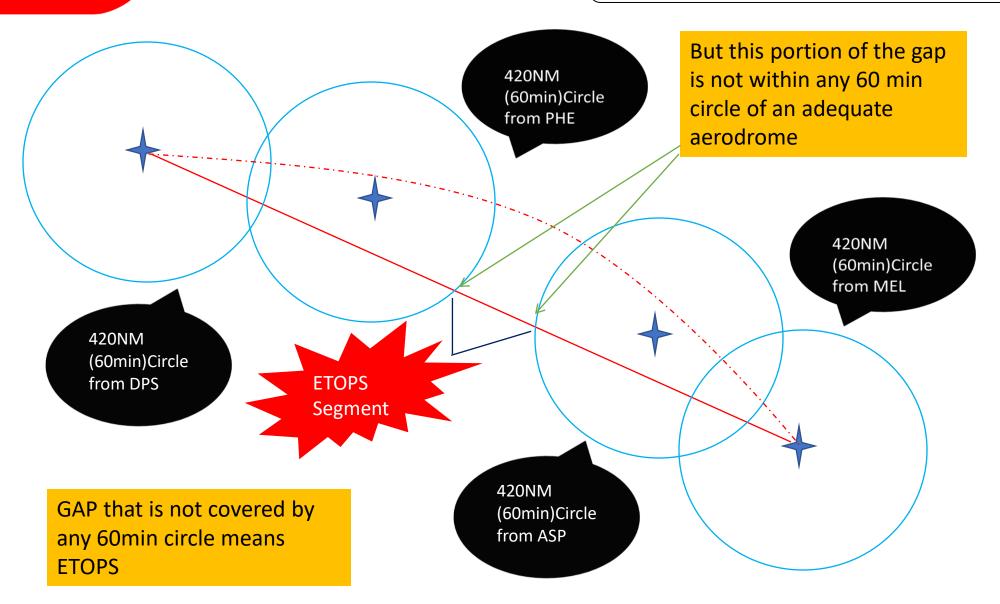


## **ETOPS**





## **ETOPS**



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Taoyuan International, Taipei, Taiwan RCTP/TPE

Melbourne International, Victoria, Australia YMML/MEL

Kingsford Smith International, Sydney, Australia YSSY/SYD

King Abdulaziz International, Jeddah, Saudi Arabia OEJN/JED

Chhatrapati Shivaji Maharaj, Mumbai, India VABB/BOM

Narita International, Tokyo, Japan RJAA?NRT



# Taipei Taoyuan (RCTP/TPE)

#### **Flight Number:**

- WADD-RCTP IDX900
- RCTP-WADD IDX901

#### **Planned Route:**

- WADD-RCTP: GALKO M522 VINIK M754 AKOTA L625 ABVAR M646 POTIB Q14 TNN
- RCTP-WADD: TINHO B591 GID Q11 POTIB M646 MIA M646 TOKON M646 PR M646 VJN M522 ELANG M522 GALKO

#### **Preferred Destination Alternate:**

- WADD-RCTP: Khaosiung (RCKH) | Hong Kong (VHHH) | Macau (VMMC)
- RCTP-WADD: Lombok (WADL) | Surabaya (WARR) | Makassar (WAAA)

#### **Preferred Enroute Alternate:**

Makassar (WAAA) | Kota Kinabalu (WBKK) | Manila (RPLL) for both sectors

#### **Special Operations:**

ETOPS: NO

#### **Parking Stands:**

WADD International Stand 17-27 | RCTP Terminal 1 Apron A



# Melbourne Intl (YMML/MEL)

#### **Flight Number:**

- WADD-YMML IDX800 / IDX802
- YMML-WADD IDX801 / IDX803

#### **Planned Route:**

- WADD-YMML: GAGAK ATMAP A576 CIN T29 VIRUV T21 LEC H119 ARBEY
- YMML-WADD: KEPPA Q168 WR T29 CIN A576 ATMAP GAGAK

#### **Preferred Destination Alternate:**

- WADD-YMML: Avalon (YMAV) | Sydney (YSSY) | Adelaide (YPAD)
- YMML-WADD: Lombok (WADL) | Surabaya (WARR) | Makassar (WAAA)

#### **Preferred Enroute Alternate:**

Port Headland (YPPD) | Alice Springs (YBAS) | Adelaide (YPAD) for both sectors

#### **Special Operations:**

ETOPS: 120 Minutes

#### **Parking Stands:**

WADD International Stand 17-27 | YMML International Pier D



# Kingsford Smith Intl (YSSY/SYD)

#### **Flight Number:**

- WADD-YSSY IDX822
- YSSY-WADD IDX823

#### **Planned Route:**

- WADD-YSSY: GAGAK ATMAP A576 PKS H319 TARAL Y59 RIVET
- YSSY-WADD: DEENA7 KADOM A576 ATMAP GAGAK

#### **Preferred Destination Alternate:**

- WADD-YSSY: Melbourne (YSSY) | Canberra (YSCB)
- YSSY-WADD: Lombok (WADL) | Surabaya (WARR) | Makassar (WAAA)

#### **Preferred Enroute Alternate:**

Port Headland (YPPD) | Alice Springs (YBAS) | Adelaide (YPAD) | Melbourne (YMML) for both sectors

#### **Special Operations:**

ETOPS: 120 Minutes

#### **Parking Stands:**

WADD International Stand 17-27 | YSSY International Stand 32/34/58



# King Abdulaziz Intl (OEJN/JED)

#### **Flight Number:**

- WIII-OEJN IDX970 / IDX972 / IDX974
- OEJN-WIII IDX971 / IDX973 / IDX975

#### **Planned Route:**

- WIII-OEJN:TULIP M766 KAT P570 TVM UL425 GOBRO L425 BOSUT
- OEJN-WIII: EGPOB V31 BSH L425 GOBRO UL425 TVM N640 BIKOK M641 KAT M766 PAGAI G461 BIDAK BUNIK

#### **Preferred Destination Alternate:**

- WIII-OEJN: Taif (OETF) | Medina (OEMA)
- OEJN-WIII: Surabaya (WARR) | Palembang (WIPP)

#### **Preferred Enroute Alternate:**

Medan (WIMM) | Colombo (VCBI) | Mumbai (VABB) | Chennai (VOMM) | Karachi (OPKC) | Muscat (OOMS) | Salalah (OOSA)
 | Dubai (OMDB) | Riyadh (OERK) for both sectors

#### **Special Operations:**

• ETOPS: 120 Minutes

#### **Parking Stands:**

• WIII Terminal 3 International Stand G19 / G23 / R81 to R87 | OEJN Haj Terminal East 6-1 to 6-10



# Chhatrapati Shivaji, Mumbai (VABB/BOM)

#### **Flight Number:**

- WMKK-VABB IDX852
- VABB-WMKK IDX853

#### **Planned Route:**

- WMKK-VABB: AGOSA R467 GUNIP N571 BOGAT B466 AGELA
- VABB-WMKK: VEVAK2A EPKOS B211 MMV P761 IDASO N571 GUNIP M630 NIREN

#### **Preferred Destination Alternate:**

- WMKK-VABB: Chennai (VOMM) | Bangalore (VOBL) | Hyderabad (VOHS)
- VABB-WMKK: Penang (WMKP) | Johor Bahru (WMKJ) Singapore (WSSS)

#### **Preferred Enroute Alternate:**

Medan (WIMM) | Chennai (VOMM) | Phuket (VTSP) | Bangalore (VOBL) for both sectors

#### **Special Operations:**

ETOPS: 120 Minutes

#### **Parking Stands:**

WADD International Stand 17-27 | WMKK KLIA2 K22 | VABB V16 / V19 / V29



# Narita Intl, Tokyo (RJAA/NRT)

#### **Flight Number:**

- WADD-RJAA IDX401 / IDX403
- RJAA-WADD IDX402 / IDX404
- WIII-RJAA IDX407
- RJAA-WIII IDX408

#### **Planned Route:**

- WADD-RJAA: GALKO M522 VJN M646 MIA A461 CAB W1 CUY N884 ALBAX Y533 AZAMA Y57 LIGNI BINKS
- RJAA-WADD: OLVAN2 SAMUS Y84 BUBDO A590 GURAG G578 GURNI GAJAH
- WIII-RJAA: AMBOY P648 VJN M646 OLRAX JOM A590 YOSHI MOE BINKS LAKES
- RJAA-WIII: OLVAN2 SAMUS Y84 BUBDO A590 JOM M767 TOKON M646 VJN P648 AMBOY

#### **Preferred Destination Alternate:**

- WADD/WIII-RJAA: Osaka (RJBB) | Tokyo Haneda (RJTT) | Nagoya (RJGG)
- RJAA-WADD: Lombok (WADL) | Surabaya (WARR)
- RJAA-WIII: Surabaya (WARR) | Palembang (WIPP) | Singapore (WSSS)



# Narita Intl, Tokyo (RJAA/NRT) Cont'd

#### **Preferred Enroute Alternate:**

- WADD Sectors: Makassar (WAAA) | Kota Kinabalu (WBKK) | Manila (RPLL) | Taipei (RCTP) | Okinawa (ROAH) | Osaka (RJBB)
- WIII Sectors: Kuching (WBGG) | Kota Kinabalu (WBKK) | Manila (RPLL) | Taipei (RCTP) | Okinawa (ROAH) | Osaka (RJBB)

#### **Special Operations:**

- ETOPS: NO
- RJAA: Noise Abatement Departure 1 RED/ACC 1640/3140

#### **Parking Stands:**

- WADD International Stand 17-27
- WIII Terminal 3 International Stand G19 / G23 / R81 to R87
- RJAA Terminal 2 Stand 91 / Stand 92 / Stand 87 / Stand 86 / Spot 401 / Spot 402

