# **FLIGHTBRIEF**

# Change The Way You See Your Flight Plan



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# INTRODUCTION

FLIGHTBRIEF WAS DEVELOPED FOR B777 AND B787 PILOTS TO SUPPORT THEM IN THEIR DAY-TO-DAY OPERATIONS.

FLIGHTBRIEF NOT ONLY PRESENTS THE OPERATIONAL FLIGHT PLAN IN A WHOLE NEW WAY BUT ALSO COMBINES A WEALTH OF INFORMATION FROM VARIOUS SOURCES LIKE OMC AND SUPPLEMENTS IN ONE INTERACTIVE TOOL.

FLIGHTBRIEF READS THE OPERATIONAL FLIGHTPLAN IN PDF FORMAT, ANALYSES THE DATA, AND PRESENTS IT IN AN ORGANIZED AND LOGICAL WAY USING INTUITIVE INTERFACES.

PILOTS WILL BE ABLE TO CREATE THEIR PERSONAL ROUTE INFORMATION MANUAL BY COLLECTING ALL IMPORTANT NOTES AND DATA DURING THEIR DAILY FLYING ROUTINE.

PILOTS CAN CREATE THEIR OWN EMERGENCY ESCAPE ROUTES AND AREAS OR DOWNLOAD THEM FROM THE REMOTE SERVER\*.

OVER TIME THERE WILL A VALUABLE COLLECTION OF INFORMATION STORED IN MULTIPLE DATABASES AND MADE AVAILABLE TO THE PILOT AT HIS FINGERTIPS.

COLOR CODING IS USED THROUGHOUT TO INCREASE SITUATIONAL AWARENESS FOR TERRAIN, WEATHER, AND DEVIATIONS FROM PLANNED FIGURES IN THE FLIGHT PLAN.

THE FOLLOWING PAGES WILL HIGHLIGHT THE MAIN FEATURES AND FUNCTIONS FOR A QUICK START.

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\* FUTURE FEATURE

# *REQUIREMENTS*

- ► BE AN ETIHAD PILOT
- ► RECEIVE OFP BY EMAIL OR ABLE TO DOWNLOAD FROM LIDO SERVER OR RECEIVE BY AIRDROP
- ►USER OF IPHONE AND/OR IPAD WITH LATEST IOS/IPADOS
- ► EMAIL APPLE ID AND INTERNET CONNECTION

# **DISCLAIMER**

AT ANY TIME ALL INFORMATION AND CALCULATIONS SHALL NOT BE USED FOR ACTUAL FLYING DUTIES.

ALWAYS REFER TO YOUR COMPANY DOCUMENTS.

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# BEFORE START CHECKLIST

### ==== I M P O R T A N T ===== === DO BEFORE FIRST IMPORT OF OFP ===

- 1. INSTALL FLIGHTBRIEF ON YOUR IPHONE OR IPAD FROM THE APPSTORE.
- 2. CLICK ON "SUPPORT" TAB ON THE TABBAR AND OPEN "UPDATE".
- 3. SELECT ALL 5 OPTIONS AND CLICK ON THE UPDATE BUTTON ON THE NAVIGATION BAR.
- 4. AFTER A SHORT TIME YOU WILL HAVE ALL GENERAL AND AIRLINE SPECIFIC DATA DOWLOADED.

=== NOW YOU ARE ALL SET TO IMPORT YOUR FIRST OFP ===

### MAIN FEATURES

- PDF FLIGHT PLAN IMPORT FROM EMAIL APP OR AIRDROP
- DISPLAY OF ROUTE ON THE GLOBE
- WORLDWIDE AIRPORT DATABASE
- · ANALYSIS OF WEATHER, WIND, AND TERRAIN
- AUTOMATIC DISPLAY OF EMERGENCY ESCAPE ROUTES
- · DISPLAY OF ADEQUATE AIRPORTS
- DISPLAY OF FIRS
- AUTOMATIC CALCULATION OF PERFORMANCE DATA DURING PREFLIGHT AND INFLIGHT
- · AUTOMATIC DISPLAY OF CAUTION, NOTES, AND INFOS
- WEIGHT AND FUEL CALCULATION
- UPDATE OF FUEL BURN AND TIME ESTIMATES
- REMOTE CONNECTION TO THE SERVER

# MY FLIGHT

AFTER IMPORTING YOUR OFP TO FLIGHTBRIEF THE TAB "MY FLIGHT" WILL BE POPULATED WITH THE FOLLOWING:

- OFP INBOX
- LIDO SERVER
- TIMES
- PREFLIGHT
- ATC FLIGHT PLAN
- CREW NOTAMS
- WX CHARTS
- SIG WX
- OFP AIRPORTS
- OFP FIRS
- UNLOAD

### OFP INBOX

THE "INBOX OFP" IS ALWAYS PRESENT AND GIVES YOU ACCESS TO YOUR FLIGHTBRIEF INBOX.

YOU WILL FIND THE OFPS HERE OR UPCOMING FLIGHTS WHICH HAVE BEEN RECEIVED BY EMAIL OR AIRDROP

#### IMPORT OF OFP FROM EMAIL OR AIRDROP

- OPEN THE OFP ON YOUR IPHONE OR IPAD AND CLICK ON THE "SHARE" BUTTON.
- A LIST OF APPS WILL APPEAR.
- CHOOSE FLIGHTBRIEF FROM THE LIST.
- FLIGHTBRIEF WILL OPEN AND PROMPT YOU IF YOU WANT TO IMPORT THE OFP NOW.
- CLICK "IMPORT NOW".
  - -THE OFP WILL BE IMPORTED AND TRANSFERRED TO YOUR INBOX
- IF YOU WANT TO IMPORT THE OFP LATER CLICK ON "LATER"
  - -THE OFP WILL BE TRANSFERRED TO YOUR INBOX

#### IMPORT OF OFP FROM INBOX

•CLICK ON OFP INBOX AND SELECT THE OFP YOU WANT TO IMPORT FROM THE LIST

### LIDO SERVER

FROM HERE YOU CAN ACCESS THE LIDO SERVER WITH YOUR CREDENTIALS AND DOWNLOAD AND SAVE THE OFP IN YOUR INBOX OFP OR DIRECTLY IMPORT THE OFP TO FLIGHTBRIEF.

### DISPATCH \*NEW

- ► AIRCRAFT TYPE
  - B77W, B77L, B789, B78X
- ► DISPATCH REMARKS
- ► MEL/CDL ATA ITEMS
- ► CHECKS
  - •NAT HLA
  - ETOPS
- ► RVSM ALTIMETER CHECKS
  - GROUND
  - CRUISE (CAN ALSO BE DONE ON INFLIGHT PROGRESS TOC)
- ► COMS
  - GROUND HANDLING
  - MAINTENANCE

### **TIMES**

- ► SUNRISE SUNSET AT DEPARTURE, DESTINATION AND INFLIGHT
- ▶ PRAYER TIMES (ISHA, FAJR) INFLIGHT BASED ON THE SUN POSITION AT 17 DEGREES BELOW THE HORIZON.
- ► SCHEDULED AND ACTUAL BLOCK AND FLIGHT TIME

### **PREFLIGHT**

THE PREFLIGHT PAGE PROVIDES THE PILOT WITH ALL ESSENTIAL INFORMATION FOR A SAFE AND QUICK COCKPIT PREPARATION.

AIRCRAFT SPECIFIC INFO FROM VARIOUS MANUALS ARE PROVIDED.

LIMITATIONS AND REGULATIONS ARE MONITORED IN THE BACKGROUND.

#### ► AIRCRAFT TYPE

- •B77W, B77L, B789, B78X
- ► OFP VERSION
- ► FMC
  - ▶ RELEVANT INFORMATION FROM THE OFP TO FEED THE FMC:
    - ► ETOPS
    - FIRST PLANNED FLIGHT LEVEL
    - DISTANCE
    - COST INDEX
    - PERFORMANCE FACTOR

#### ► REGISTRATION

- ► AIRCRAFT SPECIFIC DATA SYNCHRONIZED FROM REMOTE SERVER TO CROSSCHECK WITH FINAL LOAD SHEET
  - BASIC WEIGHT
  - BASIC INDEX
  - CONFIGURATION
  - PANTRY CODE

#### ► WEIGHTS

- ► ZERO FUEL WEIGHT
- ▶ BLOCK FUEL
- ► TAXI FUEL
- ► TRIP FUEL
- ► DIVERSION FUEL
- ► EXTRA FUEL AND TIME
- ► FUEL UPLIFT CHECK
  - FUEL REMAINING
  - FUEL UPLIFT IN LTR
  - FUEL DENSITY IN KG/LTR
  - FUEL UPLIFT IN KG
  - TOTAL FUEL
  - DISCREPANCY IN KG AND %

#### ► PERFORMANCE

- ► MACZFW
  - B78X: RELATIONSHIP BETWEEN ZFW VS MACZFW AND MAXLW
- ► MACTOW
- ► ALTERNATE FORWARD CG
  - B787: MONITORING OF ROLLING T/O AND BRAKE RELEASE LIMITATION
- ► ONH I OAT
- ► CALCULATION OF PRESSURE ALTITUDE AND DENSITY ALTITUDE
  - B787: MONITORING OF ENGINE START LIMIT ABOVE 40DEG
  - B777: MONITORING OF TIRE SPEEDS

#### ► CAUTION

- ► APPLICABLE CAUTIONS ARE SHOWN HERE:
  - "START ONE ENGINE AT A TIME"
  - "ROLLING TAKE OFF REQUIRED"
  - "BRAKE RELEASE ABOVE 55% IS PROHIBITED"
  - "TIRE SPEED LIMIT FOR B777"
  - "REDUCE CROSSWIND LIMIT BY 5 KT (INCL GUSTS)" \*NEW

#### ► NOTES

► APPLICABLE NOTES ARE SHOWN HERE.

## ATC DECODER

THE 3 MAIN COMPONENTS OF THE ATC FLIGHT PLAN ARE DECODED HERE:

- ► EQUIPMENT
- ► SURVEILLANCE
- ► NAVIGATION

### **WEATHER**

#### **WX AIRPORTS**

ALL ADEQUATE AIRPORTS ARE LISTED HERE INCLUDING QUICK ACCESS TO AIRPORT INFORMATION AND BRIEFING

- ► DEPARTURE
- ► DESTINATION
- ► ENROUTE ALTERNATES
- ► ETOPS ALTERNATES
- ► FUEL ALTERNATES

#### **WX CHARTS**

ALL WEATHER CHARTS FROM THE FLIGHT PLAN ARE SHOWN HERE.

- ► UAD MAPS
- ► SIGWX WITH ROUTE
- ► SIGNIFICANT WX
- ► SATELLITE WX
- ► VERTICAL PROFILE

#### **WX SIG**

SIGNIFICANT WEATHER PHENOMENA ARE LISTED HERE AND AUTOMATICALLY DISPLAYED ON THE ND:

- ► AIRMETS
- ► SIGMETS
- ► TROPICAL CYCLONE SIGMETS
- ► VOLCANIC ASH SIGMETS
- ► TROPICAL CYCLONE ADVISORY
- ► VOLCANIC ASH ADVISORY

### **NOTAMS**

#### **NTM AIRPORT**

#### NTM CREW

- ► CREW ALERTS
- ► CREW BULLETINS

#### NTM COMPANY

► COMPANY NOTAMS

### **AIRPORTS**

ALL RELEVANT AIRPORTS FOR THE FLIGHT ARE LISTED HERE INCLUDING QUICK ACCESS TO RELATED INFORMATION.

- ▶ DEPARTURE
- ► DESTINATION

- ► ENROUTE ALTERNATES
- ► ETOPS ALTERNATES
- ► FUEL ALTERNATES

## **FIRS**

ALL FIRS RELEVANT FOR THE FLIGHT ARE LISTED HERE INCLUDING QUICK ACCESS TO RELATED INFORMATION.

- ► CPDLC
- ► USUALLY USED FREQUENCIES
- ► LOSS OF COMMUNICATION
- ► CONTINGENCY PROCEDURES
- ► WEATHER DEVIATION
- ► NOTES
- ► NOTAMS

NOTE: THE INFO SYNCED WITH THE SERVER IS NOT CONTROLLED AND SHOULD NOT BE USED FOR OPERATION

# **UNLOAD**

THE FLIGHT WILL BE UNLOADED AND REMOVED FROM THE MY FLIGHT AND ND.

# **SUPPORT**

THE SUPPORT SECTION CONTAINS USEFUL TOOLS AND DATA.

# TOOLS

THE PILOTS FIND USEFUL TOOLS HERE TO SUPPORT THEM IN THEIR DAILY ROUTINE.

THE LIST OF TOOLS IS CONTINUOUSLY GROWING AND IS NOT LIMITED TO THE ONES LISTED ALREADY:

### MAX FDP

FLIGHT DUTY CALCULATION

ACN/PCN

AIRCRAFT SPECIFIC CALCULATION OF ACN AND PCN NUMBER

**MOTNE** 

DECODER FOR MOTNE

TEMP CORR

TEMPERATURE CORRECTION FOR COLD WEATHER OPERATION

METER/FEET

CONVERSION FROM METER TO FEET IN FLIGHT LEVEL

SELCAL

CREATE SELCAL SOUND

**BRAKECOOL** 

INCLUDED IN A FUTURE UPDATE

**OXYGEN** 

INCLUDED IN A FUTURE UPDATE

**DEICING** 

INCLUDED IN A FUTURE UPDATE

**INFLT REST** 

INCLUDED IN A FUTURE UPDATE

### DATA

FLIGHTBRIEF DEPENDS ON DATA THAT IS SYNCHRONIZED WITH THE REMOTE SERVER.

DATA CAN ALSO BE ENTERED MANUALLY FOR AIRSPACES, AIRPORTS, AND LAYOVERS(TBA).

AFTER INITIAL SETUP IN BEFORE START CHECKLIST SYNC WITH REMOTE SERVER SHOULD BE DONE WHEN ADVISED VIA NOTIFICATION

### **AIRSPACES**

CREATE YOUR OWN AIRSPACES HERE AND DISPLAY THEM ON THE ND. REMOTE SYNC OF EMERGENCY ESCAPE ROUTES IS PLANNED.

### **AIRPORTS**

FLIGHTBRIEF COMES WITH AN AIRPORT DATABASE.

CREATE YOUR OWN LIST OF ADEQUATE AIRPORTS.

THEY WILL BE SYNCED FROM THE REMOTE SERVER OR CAN BE ADDED MANUALLY TO THE LIST.

THE AIRPORTS WILL BE COLORED BASED ON THEIR CATEGORY: A,B,C,E

### FLEET DATA

B777 AND B787 WILL BE SYNCED FROM A REMOTE SERVER FOR FURTHER USE WITHIN FLIGHTBRIEF.

## **FIRS**

FIRS WILL BE SYNCED FROM THE REMOTE SERVER.
FURTHER PERSONAL NOTES CAN BE ADDED MANUALLY.

## **LAYOVERS**

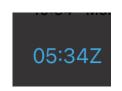
LAYOVER INFO IS PLANNED FOR FUTURE RELEASES.

### **UPDATE**

CHOOSE HERE WHICH DATA YOU WANT TO SYNC FROM THE REMOTE SERVER. EXISTING DATA WILL BE REPLACED FOR AIRCRAFT AND PANTRY CODES.

# NAVIGATION DISPLAY (ND)

TAKE OFF TIME



IMPORTANT TO SET THE ACTUAL T/O TIME TO UPDATE ALL PREDICTIONS

PRESENT POSITION

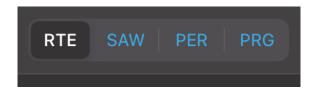


BRINGS YOU TO YOUR POSITION ON THE GLOBE AND IN THE WAYPOINT VIEW

THE ND IS A 3D GLOBE SHOWING THE FLIGHT ROUTE, FIRS AND AIRPORTS IF AN OFP IS LOADED.

THE ROUTE DATA FROM THE OFP WILL BE ANALYZED AND RESPECTIVE CALCULATIONS WILL BE DONE.

THE RESULTS WILL BE SHOWN IN 4 SEGMENTS:

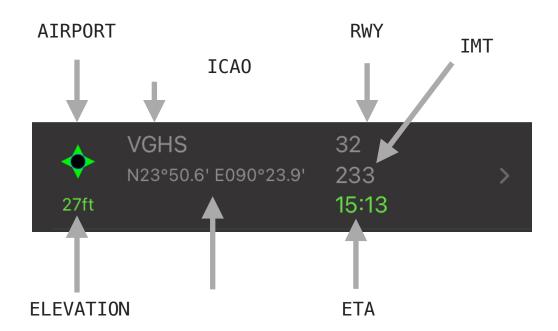


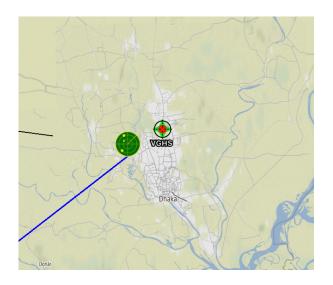
- ► ROUTE (RTE)
- ► SITUATIONAL AWARENESS (SAW)
- ► PERFORMANCE (PER)
- ► PROGRESS (PRG)

# ROUTE (RTE)

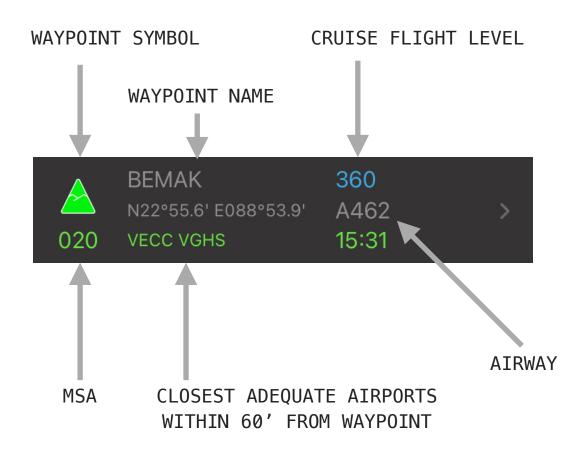
<b>\$</b> 27ft	VGHS N23°50.6' E090°23.9'	32 233 15:13	>
020	AKEVO N23°36.1' E090°02.8' VGHS VECC	198 IKOGU2 15:20	>
020	IKOGU N23°22.7' E089°38.8' VGHS VECC	294 IKOGU2 15:24	>
<b>A</b>	TOC	360 A462 15:27	
020	ABJSR N23°06.7' E089°12.1' VECC VGHS	360 A462 15:28	>
	VECF KOLKATA FIR		>

# DEPARTURE / DESTINATION AIRPORT





## **ENROUTE WAYPOINT**

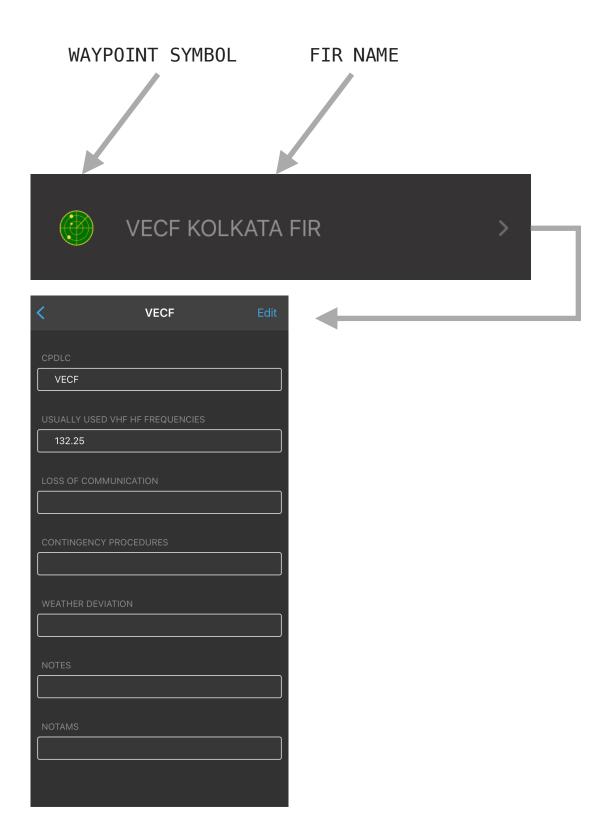


# TOP OF CLIMB / TOP OF DESCENT



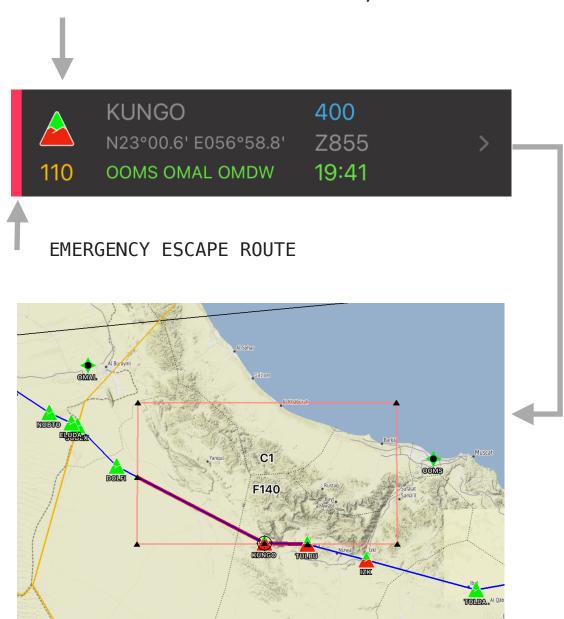


# FIR BOUNDARY



# EMERGENCY ESCAPE ROUTE

HIGH TERRAIN WAYPOINT SYMBOL, MSA >



# WAYPOINT SYMBOLS

SHEAR <= 3



MSA < 10000'

SHEAR >3 & < 8



MSA >= 10000'

SHEAR >= 8



MSA < 10000'

ET0PS



EEP, ETP, EXP

# AIRPORT SYMBOLS

DEP / DEST / ENROUTE

**ENROUTE** 



CAT A

CAT B

**ENROUTE** 

**ENROUTE** 



CAT C



**EMERGENCY** 

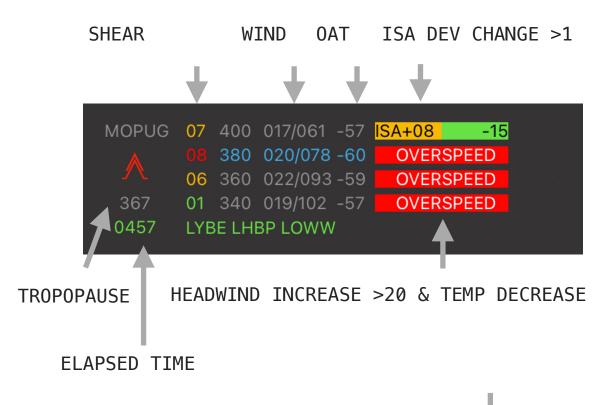
**ENROUTE** 



**GENERIC** 

# SITUATIONAL AWARENESS (SAW)

## ENROUTE WEATHER, WIND, TEMPERATURE, SHEAR





TAILWIND INCREASE >20 & TEMP INCREASE >1

CHANGE OF TAILWIND / HEADWIND COMPONENT BETWEEN WAYPOINTS OF MORE THAN 20 KTS WILL BE SHOWN IN AMBER

CHANGE OF TEMPERATURE BETWEEN WAYPOINTS OF MORE THAN 1 DEGREE CELSIUS WILL BE SHOWN IN AMBER

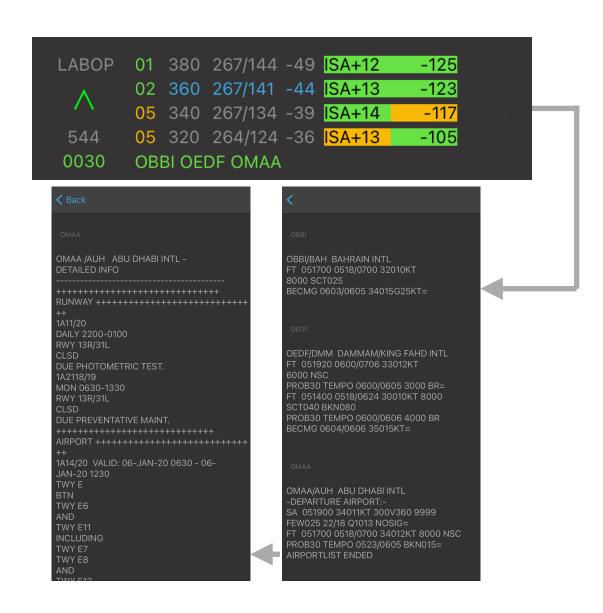
A COMBINATION OF HEADWIND INCREASE AND TEMP DECREASE WILL BE SHOWN AS "OVERSPEED"

A COMBINATION OF TAILWIND INCREASE AND TEMP INCREASE WILL BE SHOWN AS "LOWSPEED"

THIS DOES NOT MEAN THAT THERE WILL BE AN OVERSPEED OR LOW-SPEED BUT IT SHOULD RAISE YOUR AWARENESS OF POSSIBLE SPEED CHANGES UP TO THE EXTREME IN THIS AREA.

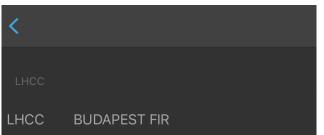
### AIRPORT WEATHER AND NOTAMS

TAB ON THE WAYPOINT TO GET WEATHER AND NOTAMS OF THE CLOSEST AIRPORTS WITHIN 60 MINS



### FIR NOTAMS





-----1A4535/20

COVID-19: PASSENGER RESTRICTIONS
ARRIVAL ENTRY AT HUNGARIAN AIRPORTS IS
ALLOWED ONLY FOR HUNGARIAN
CITIZENS AND CITIZENS WITH PERMANENT
RESIDENCE PERMIT IN HUNGARY
AND

THEIR FAMILY MEMBERS. CITIZENS WITH ANY RESIDENCE PERMIT ISSUED BY THE HUNGARIAN IMMIGRATION AUTHORITY WITH A LONGER VALIDITY THAN 90 DAYS.

PASSENGERS IN TRANSIT ARE ALLOWED TO ENTER IN CASE OF NEGATIVE HEALTH SCREENING AT ENTRY, IF THEY ARE ABLE TO CERTIFY THE PURPOSE AND DESTINATION OF THEIR TRAVEL AND THEIR ENTRY INTO A

NEIGHBOURING

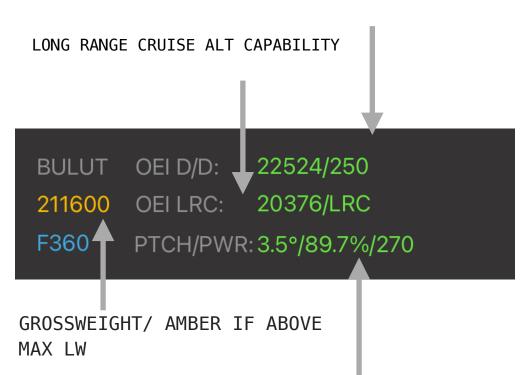
COUNTRY OF HUNGARY ON THEIR WAY TO THEIR FINAL DESTINATION IS ENSURED.

PASSENGERS ARRIVING FOR CULTURAL OR SPORT EVENTS IN HUNGARY ARE ALLOWED TO ENTER WITH A TICKET OF THE EVENT PROVIDED THAT THEY HAVE

TWO NEGATIVE SARS-COV2 PCR TEST

# PERFORMANCE (PER)

LEVEL OFF ALT / DRIFT DOWN SPEED



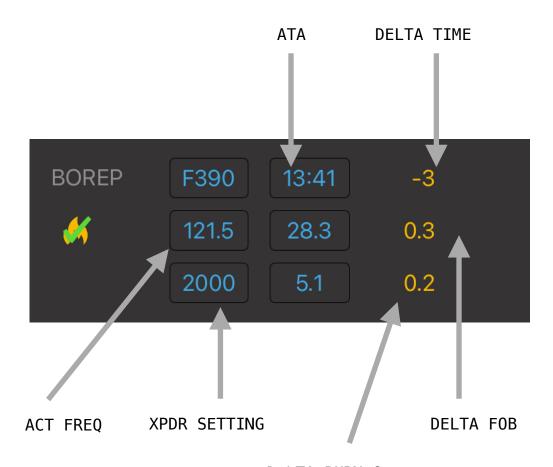
FLIGHT WITH UNRELIABLE AIRSPEED / TURBULENCE PENETRATION SPEED

# **PROGRESS**

#### INFLIGHT UPDATES FOR

- RVSM CHECK
- FLIGHTLEVEL
- FREQUENCIES
- TRANSPONDER CODE
- AT0
- ACTUAL FUEL ON BOARD
- ACTUAL BURN OFF

KEEPS TRACK ON STATUS AND PROGRESS OF YOUR FLIGHT.
ETA AND FUEL REMAINING AT DESTINATION WILL BE UPDATED.



DELTA BURN OFF