

OIIIE Arrival and Departure Briefing Package

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1. Introduction

On Behalf of **VATSIM IRAN vACC**, we thank you for flying Cross the Land. Please read through this document carefully as it contains IMPORTANT information that you will need for your flight.

If you have any doubt or any queries regarding this document, please do not hesitate to contact us through the following channels

Email (Ticketing System): <https://helpdesk.vatir.ir>

Facebook: <https://www.facebook.com/VATSIM.IRAN/>

2. Non-event Traffic

We continue to welcome non-event traffic during the event. However, please note that priority will be given to booked flights. Upon arrival, you will be allocated a remote stand as listed below or a gate at the terminal (if available): [152](#), [154](#), [156](#), [158](#), [160](#) and [162](#)

3. Airport Information and Charts

Location: TEHRAN IRAN

Length x Width: 13773 ft x 148 ft

ICAO/IATA: OIIE / IKA

Surface Type: Asphalt

Lat/Long: N35° 24' 57.9996", E051° 09' 07.9998" TDZ-Elev: 3256 ft

Elevation: 3305 ft

Tran. Alt: 9000 ft

Tran. Level: FL110

Charts are available here: <https://bit.ly/30worck>

4. Airport Layout

IKA (Tehran Imam Khomeini) International Airport is the primary International Airport of Iran. Your flight should have been assigned a specific gate upon arrival. Please ensure that you taxi to the correct gate as it may affect other scheduled flights.

Important:

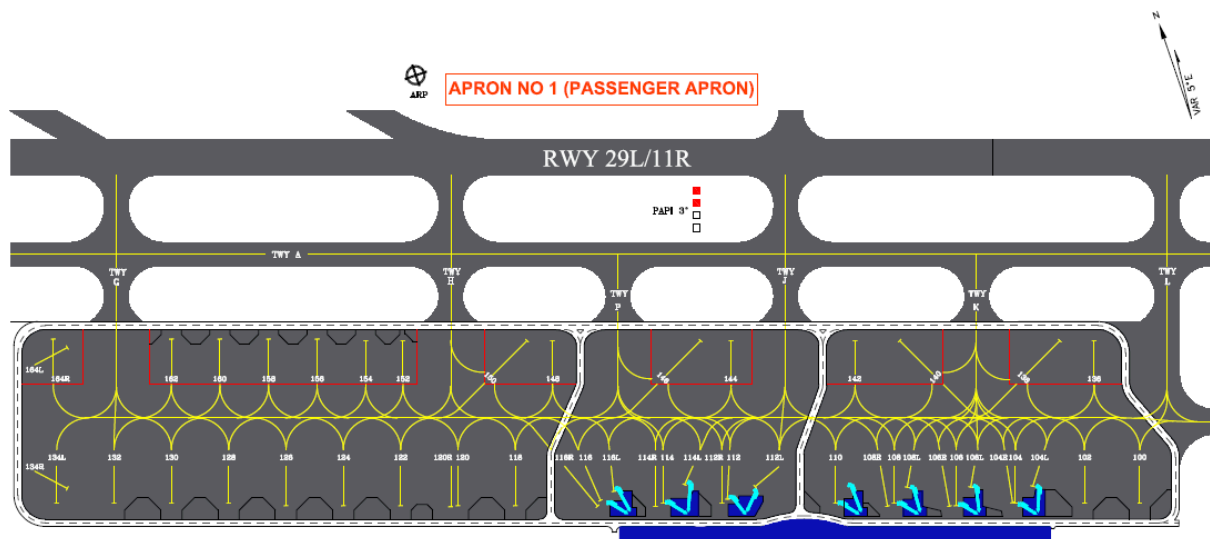
Although the current IKA Airport has Multiple Aircraft Receiving Stands (MARS), we will not be simulating it as current scenery does not have it. [Gates assigned will not have a Left or Right option.](#)

You may download OIIE scenery from below links based on your flight simulator (Freeware and Payware):

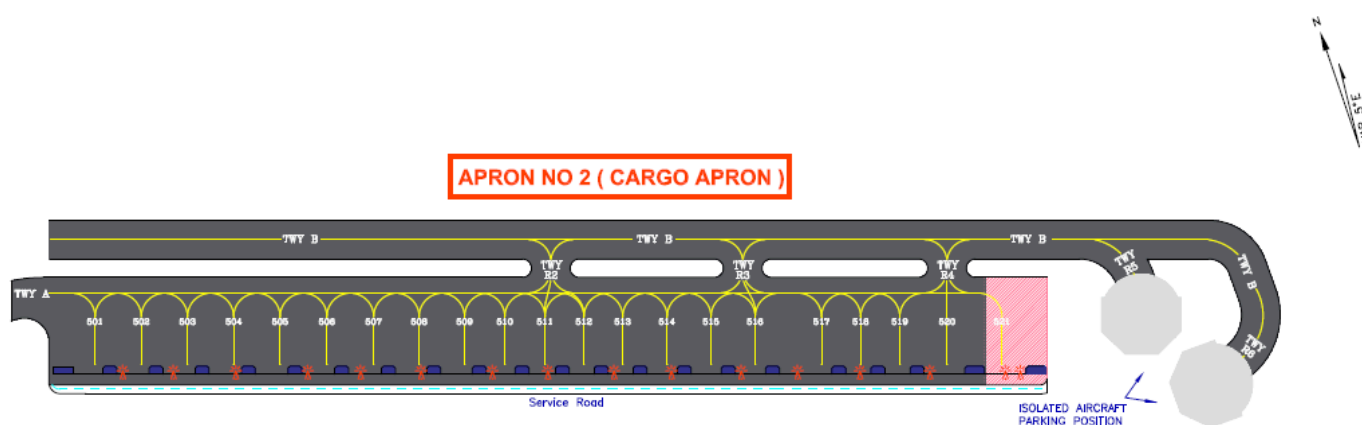
- IKA (Imam Khomeini International Airport) (OIIE):
 - OIIE Freeware scenery for X-Plane: [Here](#)
 - OIIE Payware scenery for FSX/P3D: [Here](#)

- OIIE Payware scenery for MFS: [Here](#)

4.1. Apron 1 (Passenger Apron)



4.2. Apron 2 (Cargo Apron)



5. Taxiway Notam

- Standard Taxi Routes for Arrival:
RWY 11L/R: TWY H or J, or N to A.
RWY 29L/R: TWY Z to A, or C (parallel TWY) to C.
- Standard Taxi Routes for Departure:
RWY 11L/R: TWY J to A to Z (parallel TWY) to C.
RWY 29L/R: TWY J to A to N

6. Runway Operation

RWY 11L/29R **always** in use for takeoff and landing **unless**:

- RWY 11L/29R is not available.
- NO ACFT operates on TWY A
- Tailwind is more than 10kts.

7. Flight Plan

Flight plan will be emailed to all pilots prior to the event. Please follow accordingly. It helps controllers for traffic separation. If you are not able to follow the flight plan that assigned to you, please advise controller during delivery clearance.

8. Frequencies

Facility Callsign	Facility Name	Voice Callsign	Frequency	Remarks
OIIE_ATIS	ATIS		127.200	
OIIE_DEL	Delivery	IKA Delivery	121.825	
OIIE_GND	Ground	IKA Ground	121.600	
OIIE_TWR	Tower	IKA Tower	118.700	
OIII_APP	DEP and APP	Mehrabad Radar	125.100	Tehran TMA
TEH_CTR	Radar	Tehran Center	132.500	Main Sector

9. Standard Terminal Arrival Route (STAR)

There are eight arrival fixes in Tehran TMA for IKA airport.

9.1. STAR NAGMO

NAGMO arrival fix is used for aircraft flying from North connecting AWY G667. It Splits into two segments after TRN waypoint, NAGMO 1V going to east for landing on runways 29 and NAGMO 1R going to west for landing on runways 11.

NAGMO 1R: RWY 11L/R , Descend restriction of FL120.

NAGMO 1V: RWY 29L/R , Descend restriction of 9000 ft.

9.2. STAR VR

VR connects eastern routes such as R661 and A647 to IKA.

VR 1R: RWY 11L/R , Descend restriction of 9000 ft.

VR 1Z: RWY 29L/R , Descend restriction of 7000 ft.

9.3. STAR RADAL

RADAL fix is used for flights coming from the southeast. All arrival procedure belonging to this waypoint has descend restriction of 9000 ft.

RADAL 2R: RWY 11L/R

RADAL 2Q: RWY 29L/R

RADAL 2V: RWY 29L/R

9.4. STAR SAVEH

SAVEH has only one arrival (SAVEH 1R) that comes from southwest to RUS for all IKA runways with descend restriction of 9000 ft.

9.5. STAR PAVET

PAVET also has only one arrival (PAVET 1R) that comes directly from west to RUS for all IKA runways with descend restriction of FL120.

9.6. STAR MIVAK

MIVAK only arrival (MIVAK 1R) comes from northwest to RUS for all IKA runways with descend restriction of FL110.

9.7. STAR PAXID

PAXID has only one arrival (PAXID 1R) that comes from northwest to RUS for all IKA runways with descend restriction of 9000 ft

9.8. STAR BOXAM

BOXAM

10. Arrival Procedures

Now that you have the necessary information about our airport, here are the listed procedures to ensure a smooth arrival into Tehran IKA airport.

The example used will be EK760 (Emirates 760) from Dubai (OMDB) to Tehran IKA (OIIE). The arrival gate used is 112.

10.1. Pre-Arrival

- Please ensure you are on time.
- Have all necessary charts ready to anticipate any need of holdings, etc.

10.2. Tehran Center (OIIX_CTR)

- Tehran Center will handle aircraft in the Tehran FIR.
- Note that when the runway is given as 29R or 11L, final runway assignment will be with Mehrabad Approach (OIII_APP).

Phraseology

Pilot: Tehran Center, Emirates 760 at Flight Level 250 overhead KIS.

ATC: Emirates 760, climb and maintain FL360.

Pilot: Climb and maintain FL360, Emirates 760.

ATC: Emirates 760, arrival clearance.

Pilot: Go for Emirates 760.

ATC: Emirates 760, you are cleared to Tehran IKA via arrival BOXA 1Q, runway 29R.

Pilot: BOXA 1Q arrival, runway 29R. Emirates 760

Pilot: Emirates 760 ready for descent

ATC: Emirates 760, descend to FL250 via the STAR.

Pilot: FL250, Emirates 760.

Handoff to Mehrabad Radar (OIII_APP)

ATC: Emirates 760, contact Mehrabad Radar 125.1

Pilot: Mehrabad Radar on 125.1, Emirates 760.

10.3. Mehrabad Radar (OIII_APP)

Mehrabad Radar will handle all aircraft airborne arriving to Tehran TMA.

The Transition Level is FL110 and Transition Altitude is 9000ft.

- Note that altitude is regarded as feet (ft) under the Transition Altitude and Flight Level (FL) above the Transition Level.
- No altitude clearances will be given between the Transition Altitude and Transition Level.

Please listen to instructions carefully. Phrases listed below may be used:

Proceed direct to...

Reduce Speed

Maintain 180 till 10 (maintain 180 knots till 10nm) [OIII_APP]

Maintain 150 till 4 (maintain 150 knots till 4nm) [OIII_APP]

Maintain present heading (after <waypoint>)

Radar Vectors and speed control may be used due to heavy traffic. Please follow all instructions and listen carefully for your callsign.

Runway will either be assigned by Approach or Arrival.

Do note: if you are on the STAR, DO NOT CLEAR ROUTE DISCONTINUITY after these waypoints, Expect Radar Vectors:

Runway 29R
VARAMIN NDB

Runway 11L
RUDESHUR VOR

Phraseology

Pilot: Mehrabad Radar, Emirates 760 at Flight Level 250.

ATC: Emirates 760, Descend to 9000ft. QNH1012

Pilot: Descend to 9000ft. QNH1012, Emirates 760.

ATC: Emirates 760, turn left heading 290. Cleared ILS 29R. Report established.

Pilot: Left heading 290, cleared ILS 29R. Emirates 760.

Pilot: Mehrabad Radar, established ILS 29R.

Handoff to IKA Tower (OIIE_TWR)

ATC: Emirates 760, contact IKA Tower 118.7

Pilot: IKA tower 118.7, Emirates 760

10.4. IKA Tower (OIIE_TWR)

IKA Tower will handle all aircraft movements for the runway.

Take-off and landing clearance can only be given by Tower.

Phrases listed below may be used

Reduce to minimum approach speed

Continue Approach

Turn right/left on [taxiway]

To maximize runway occupancy, please vacate the runway as soon as possible.

Phraseology

Pilot: IKA Tower, Emirates 760 on finals runway 29R.

ATC: Emirates 760, surface wind 040 @ 7 knots, runway 29R Cleared to land.

Pilot: Cleared to land runway 29R, Emirates 760.

Handoff to IKA Ground (OIIE_GND)

ATC: Emirates 760, welcome to Tehran IKA. Vacate via Z, crossing 29L. Contact IKA Ground 121.6

Pilot: Via Z, Crossing 29L, contact IKA Ground 121.6. Emirates 760.

Note: Taxi at 5 knots on the assigned taxiway till you have taxi instructions from IKA Ground. DO NOT Stop on the runway exit.

Listen carefully where the Tower Controller instructs you to turn as you exit the runway.

10.5. IKA Ground (OIIE_GND)

IKA Ground will handle all aircraft movements on the ground, excluding the runway.

When requesting taxi to gate, please indicate the gate number.

Please listen carefully to the controller. Different phrases may be used such as:

Hold Short of taxiway **

Holding Point **

Hold Position

Continue Taxi

After the taxiing [Airline/Aircraft] passing from Right to Left....

Follow the [Airline/Aircraft] ...

Phraseology

Pilot: IKA Ground, Emirates 760 taxiing on Z.

ATC: Emirates 760. Continue taxi to gate 112 via A and J.

11. Standard Instrument Departure (SID)

There are 9 (nine) departure fixes for IKA Airport and 2 (two) Radar Vector Routings

11.1. IKA Radar Vector Routing

IKA 1A is a radar vector routing used by Mehrabad Radar for departures from RWY 29L/R to following fixes: DEHNAMAK, OBRIX, ELUSI, EGVEL, SAVEH, DAXIL, PAVET, PAROT, PAXID

IKA 1B is a radar vector routing used by Mehrabad Radar for departures from RWY 11L/R to following fixes: DEHNAMAK, OBRIX, ELUSI, EGVEL, SAVEH, DAXIL, PAVET, PAROT, PAXID

11.2. SID DEHNAMAK

Dehnamak departure fix is used for flights leaving IKA to the East for AWY R794. There is a Minimum rate of climb restriction for this SID as below:

Dehnamak 2J and 1M: 270 FT/NM

Dehnamak 1L: 260 FT/NM

11.3. SID ORBIX

Orbix departure fix is used for flights leaving IKA to the South-East. There is no altitude restriction for the departure sid and flight can climb to cleared level.

11.4. PAVET

PAVET1G(29L/R): Intercept IKA R285 to D19.0 IKA, turn left 261 track to PAVET, climb to cleared FL.

PAVET1L(11L/R): Turn RIGHT, intercept IKA R268 to PAVET, climb to cleared FL.

11.5. DAXIL

DAXIL1G(29L/R): Turn LEFT to IKA VOR, turn LEFT, IKA R275 to RUS VOR, RUS R238 to DAXIL.

DAXIL1L(11L/R): Turn Right, return to IKA VOR, turn left, IKA T275 to RUS VOR, RUS R238 to DAXIL.

11.6. SAV

SAVEH1G(29L/R): Turn LEFT, intercept IKA R236 to SAV NDB, climb to cleared FL.

SAVEH1H(29L/R): Intercept IKA R238 to D18.0 IKA, turn LEFT, intercept 209 bearing to SAV NDB, climb to cleared FL.

SAVEH1L(11L/R): Turn RIGHT, intercept IKA R236 to SAV NDB, climb to cleared FL.

11.7. EGVEL

EGVEL3G(29L/R): Turn LEFT to IKA VOR, turn LEFT, IKA R275 to RUS VOR, turn LEFT, RUS R201 to EGVEL, climb to cleared FL.

EGVEL3L(11L/R): Turn RIGHT, return to IKA VOR, turn LEFT, IKA R275 to RUS VOR, turn LEFT, RUS R201 to EGVEL, climb to cleared FL.

12. Departure Procedures

12.1. Pre-Departure

- 12.2. Please ensure you are flying ontime based on your booking slot.
- 12.3. Review the route and charts before the event
- 12.4. Installed the updated scenery that we provided
- 12.5. Be sure that you have the latest AIRAC database for your aircraft (at least 1901).
- 12.6. Keep your readbacks short and simple. Listen carefully to the frequency.
- 12.7. Avoid unnecessary and long radio messages during the high workload of the controller.
- 12.8. Try to do readbacks as quickly as possible.
- 12.9. If you do not understand an instruction, then ask the controller again.
- 12.10. Don't "step" on other pilots or controllers conversations.
- 12.11. Wait a few seconds before doing any transmission right after you switched to a new frequency.
- 12.12. We're happy to assist you in case of a simulated emergency, but be ready that ATC can ask you to cancel the emergency or disconnect from the network in case cancellation is not possible.

12.13. Imam Delivery (OIIE_DEL)

- 12.14. PS: There is no delivery for IKA airport however in case of heavy traffics we might add additional frequency for delivery.

Phraseology

Pilot: IKA delivery, IRA 671, at stand 114, Airbus 321, information A, request IFR clearance as filed.

ATC: IRA 671, IKA delivery, good morning, You are cleared to your destination FL 360 as filed. IKA1A for departure, Squawk 3601.

Pilot: Cleared to destination as filed FL360, IKA1A for departure, Squawk 3601 IRA 671.

Handoff to IKA Ground (OIIE_GND)

ATC: IRA 671, readback correct, contact IKA ground on 121.600 when ready for push and start.

Pilot: Contact IKA ground on 121.600 when ready for push and start IRA 671. Good day!

12.15. Imam Ground (OIIE_GND)

Phraseology

Pilot: IKA ground, IRA 671, at stand 114, ready for push and start

ATC: IRA 671, IKA ground, good morning, push and start approved facing east rwy 29R.

Pilot: Push and start approved facing east rwy 29R IRA 671.

Pilot: Request taxi IRA 671.

ATC: IRA 671, taxi to holding point rwy 29R via J,A,N.

Pilot: Taxi to holding point rwy 29R via J,A,N IRA 671.

Handoff to IKA Tower(OIIE_TWR)

ATC: IRA 671, contact tower on 118.700.

Pilot: Contact tower on 118.700 IRA 671.

12.16. Imam Tower (OIIE_TWR)

Phraseology

Pilot: IKA tower, IRA 671, at holding point rwy 29R ready for departure.

ATC: IRA 671, IKA tower, line up and wait rwy 29R.

Pilot: Line up and wait rwy 29R IRA 671.

ATC: IRA 671, wind 290@9 kts rwy 29R cleared for takeoff. Report airborne.

Pilot: Cleared for takeoff rwy 29R report airborne IRA671.

Pilot: IRA 671, airborne.

Handoff to Mehrabad Radar (OIII_APP)

ATC: IRA 671, contact Mehrabad radar on 125.100.

Pilot: Contact Mehrabad radar on 125.100 IRA 671.

12.17. Mehrabad Radar (OIII_APP)

Phraseology

Pilot: Mehrabad radar, IRA 671, out of 6000 ft with you.

ATC: IRA 671, Mehrabad radar, identified 6000 ft, continue climb to FL150, rwy heading.

Pilot: Continue climb to FL150, rwy heading IRA 671.

ATC: IRA 671, from current position track DCT PAXID and climb to FL270.

ATC: From current position track DCT PAXID and climb to FL270 IRA671.

Handoff to Tehran Radar (TEH_CTR)

ATC: IRA 671, contact Tehran radar on 132.500.

Pilot: Contact Tehran radar on 132.500 IRA 671.

12.18. Tehran Center (TEH_CTR)

Phraseology

ATC: Tehran Radar IRA 671 with you FL270.

Pilot: IRA 671, Tehran Radar, continue climb FL360.

Pilot: Climb to FL360 IRA671.