



Government of India
Ministry of Civil Aviation
Aircraft Accident Investigation Bureau

Preliminary Report: Serious Incident of Airprox involving two Boeing 777 aircraft operated by EL AL Israel Airlines Ltd. and M/s Qatar Airways, in the Mumbai FIR, on 24 March 2024.

1. General Information

Date and Time of Incident	March 24, 2024 and 0206 UTC	
Place of Incident	Mumbai FIR	
ATS Unit	OCC South subsector (VABB)	
Type of Occurrence	Airprox	
Applicable ATC separation	Procedural based, 10 Minutes lateral/ 1000 feet vertical	
Recorded Minimum Separation	9.1 nm (Approx. 1 min) at same Flight level (FL 350)	
Alert generated	No TCAS TA/RA and ATC Alert	
Details of the involved Aircraft	Aircraft 1	Aircraft 2
Operator	M/s EL AL Israel Airlines Ltd.	M/s Qatar Airways
Flight Number	ELY 081	QTR8E
Type of aircraft	B777-200	B777-300ER
Registration	4X-ECB	A7-BOB
Flight Rule	IFR	IFR
Sector	LLBG-VTBS	OTHH-VRMM
Flight Planned Route in OCC sector	VUTAS-L875-BEDIL	KITAL-L894-BIBGO
Altitude	F350	F350
Phase	Cruising	Cruising
Type of Flight	Scheduled Flight	Scheduled Flight

2. Aircraft Information

Details of the involved aircraft are as mentioned below:

M/s EL AL Israel Airlines Ltd.'s Boeing 777-258 aircraft bearing registration 4X-ECB. The aircraft was manufactured in 2009 and aircraft's MSN No. was 30832. At the time of Incident, the aircraft's C of R, C of A and ARC were valid. The aircraft was equipped TCAS and was serviceable.

M/s Qatar Airways' Boeing 777-300ER aircraft bearing registration A7-BOB and MSM 36161. At the time of Incident, the aircraft's C of R, C of A and ARC were valid. The aircraft was also equipped TCAS and was serviceable.

3. Crew information

M/s EL AL Israel Airlines Ltd.'s crew were holding a valid ATPL licenses and were current to operate flight ELY081 from Ben Gurion International Airport (LLBG), Israel to Suvarnabhumi International Airport (VTBS), Bangkok, in Thailand on 24 March 2024.

M/s Qatar Airways crew were holding a valid ATPL licenses and were current to operate flight No. QTR8E from Hamad International Airport (OTHH) Doha to Velana International Airport (VRMM), in Male on 24 March 2024.

4. Aerodrome Information

Incident took place in the Mumbai Flight Information Regions (FIR). The Air Traffic services (ATS) was provided by Oceanic South Sub sector Mumbai through HF and CPDLC. Both CPDLC and HF were serviceable.

5. Weather Information

There was no weather deviation and turbulence reported.

6. Brief Description of Serious Incident

On 24th March, 2024, M/s EL AL Israel Airlines Ltd.'s Boeing 777 aircraft bearing registration no. 4X-ECB, operating a scheduled flight no. ELY081, from Ben Gurion International Airport, Israel to Bangkok International Airport was involved in a Serious Incident of Airprox with M/s Qatar Airways Boeing 777 aircraft bearing registration no. A7-BOB, operating a scheduled flight no. QTR8E from Hamad International Airport, Doha to Velana International Airport, Male. Both aircraft were on their designated flight route and were at the same flight level F350. ELY081 was following Airway L875 and QTR8E was following Airway L894. The airway L875 and L894 intersect each other at a Waypoint 'GOLEM' in Mumbai FIR. The breach of standard separation took place between the aircraft, at waypoint 'GOLEM' in Mumbai FIR. NO TA/RA alert was generated in aircraft.

The traffic in Mumbai FIR was handled by Oceanic Control Centre (OCC) South Subsector. Both aircraft were in contact through HF and CPDLC.

The minimum separation recorded was lateral 9.1 NM (Approx. 1 minute) at same level at time 0206. The applicable standard separation was lateral 10 minutes at same level.

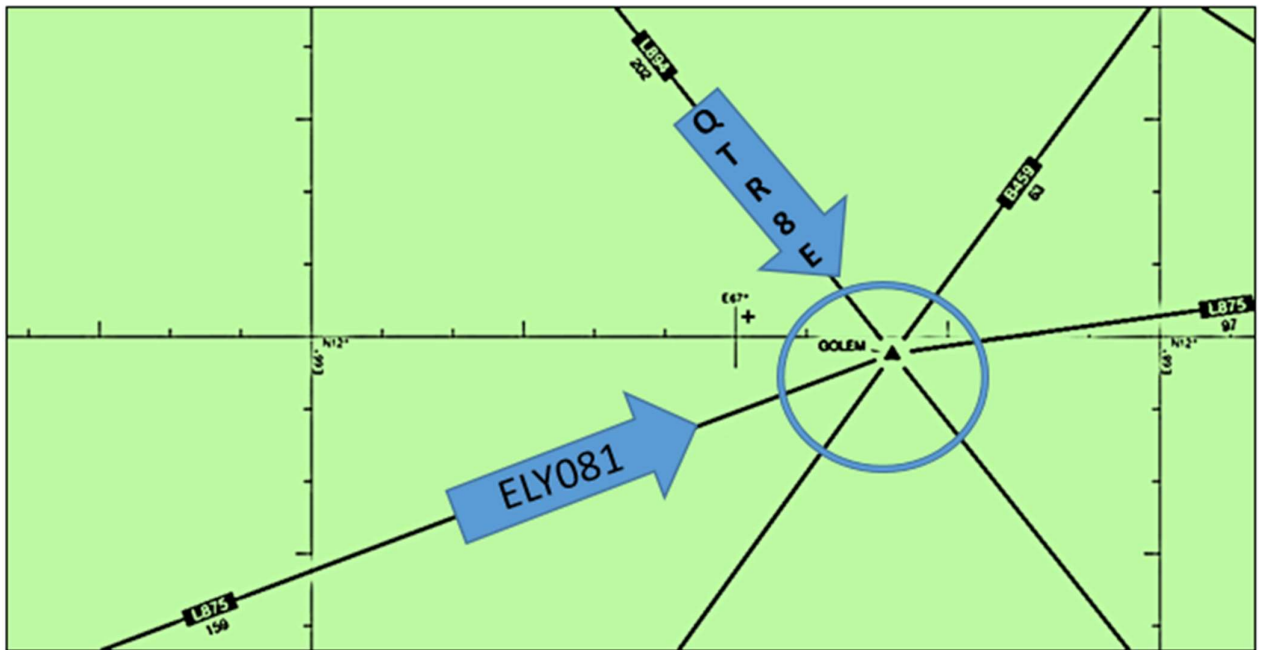


Figure 1: Waypoint 'GOLEM'

7. Wreckage and Impact information

There were no damage to the aircraft.

8. Progress of the Investigation

1. Investigation team has visited the Oceanic Control Centre (OCC), South Subsector operated by M/s Airport Authority of India, in Mumbai to assess the situation and to collect the evidences.
2. During the OCC visit, recordings of Automation system and ATC tapes were replayed in the presence of Investigation team. Initial statements of the three ATCOs, WSO, Training In-charge, and one CNS person were recorded. Based on the statements, initial phase of interviews of three involved ATCO's have been conducted. One of the concerned trainee's statement was also recorded by the Investigation team.
3. Another of the concerned trainee's statement has been recorded by the Investigation team at Delhi.
4. Initially, documents and data pertaining to the M/s EL AL Israel Airlines Ltd.'s B737 aircraft and Flight Crew were sought and same have been received.
5. Similarly, documents and data pertaining to the M/s Qatar Airways B737 aircraft and Flight Crew were sought and same have been received.
6. Evidences collected during the Airport Authority of India, Mumbai ATS unit visit are being analyzed.
7. Documents and data received from M/s EL AL Israel Airlines Ltd. and Qatar Airways pertaining to the involved aircraft and flight crew are being analyzed.