

SYNOPSIS

ACCIDENT

Aircraft Type and Registration:	Boeing 777-2H6ER, 9M-MRO
Year of Manufacture:	29 th May 2002
State of Registration:	Malaysian
No & Type of Engines:	2 Rolls Royce RB211 Trent 892B17
Location:	Unknown (last known Secondary Surveillance Radar (SSR) return, Waypoint IGARI)
Date & Time (Local Time):	8 March 2014 & Unknown (last known SSR return at 01:21:13 hours)
Operator:	Malaysian Airlines (MAS)
Call-sign:	MH 370
Type of Flight:	Scheduled (Commercial Air Transport), IFR
Persons on Board:	227 passengers + 12 crew

At 01:38 hours Malaysian Time1 (MYT) on 8 March 2014 (Saturday), a Boeing 777-2H6ER, registration 9M-MRO, and call-sign MH 370 with 227 passengers and 12 crew on board, was reported missing after passing waypoint IGARI2 while en-route from Kuala Lumpur, Malaysia to Beijing, China.

At 00:41:43 MYT on 8 March 2014 (Saturday), MH 370 took off from Runway 32R at Kuala Lumpur International Airport (KLIA) on a scheduled flight to Beijing, China.

At 00:42:07 MYT, MH 370 was cleared to climb to Flight Level (FL) 180³ and was issued a direct track by LUMPUR APPROACH at Kuala Lumpur Air Traffic Control Centre (KLATCC) to waypoint IGARI. MH 370 was transferred to LUMPUR RADAR at KLATCC at 00:42:52 MYT. The flight was then cleared to climb to FL 250 at 00:46:51 MYT and subsequently to FL 350 at 00:50:06 MYT. MH 370 reported maintaining FL 350 at 01:01:16 MYT and reported maintaining FL 350 again at 01:07:55 MYT.

At 01:19:24 MYT LUMPUR RADAR at KLATCC instructed MH370 to contact HO CHI MINH Air Traffic Control Centre (HCMATCC) on radio frequency 120.9 MHz. MH 370 acknowledged with “*good night Malaysian Three Seven Zero*”.

At 01:21:04 MYT, MH370 was observed on the radar screen at KLATCC as it passed over waypoint IGARI. At 01:21:13 MYT the radar label for MH 370 disappeared from the radar screen at LUMPUR RADAR KLATCC.

At 01:38 MYT HCMATCC made a query to KLATCC on the whereabouts of MH 370. Thereafter KLATCC initiated efforts involving MAS OPS Center, Singapore ACC, Hong Kong ACC and Phnom Penh ACC to establish the location of MH 370. No contact had been established by any ATC units and thus the Rescue Coordination Centre (RCC) was activated at 05:30 MYT.

It was later established that the transmissions from the Aircraft Communication and Reporting System (ACARS) through satellite communication system occurred at regular intervals starting before MH 370 departed Kuala Lumpur, Malaysia at time 12:56:08 MYT and with the last communication occurred at 01:07:49 MYT.