

AIRAC AIP SUPPLEMENT

TEL: 91-11-24632950 Extn: 2219/2233 AFS: VIDDYXAX FAX: 91-11-24615508 E_mail:- gmais@aai.aero	INDIA AERONAUTICAL INFORMATION SERVICES AIRPORTS AUTHORITY OF INDIA RAJIV GANDHI BHAVAN SAFDARJUNG AIRPORT NEW DELHI – 110003	03/ 2009
		13 th January 2009

File No. AAI/ATM/AIS/ 09-09/ 2009

Following supplement is issued for information, guidance and necessary action.



V.P. AGRAWAL
 CHAIRMAN
 AIRPORTS AUTHORITY OF INDIA

[EFFECTIVE DATE: 12 MARCH 2009]

SUB: TRANSPONDER OPERATING PROCEDURES ON GROUND FOR IGI AIRPORT, NEW DELHI

Introduction: Advanced Surface Movement Guidance and Control System (A-SMGCS) using Mode-S Multilateration has been implemented at IGI Airport, New Delhi. The aircraft Transponder Operating Procedures, particularly in the movement area of the airport will be as given below for compliance.

Departure:

1. **At the Gate/Stand:** Select STBY. Enter the discrete SSR code received from Delhi Clearance Delivery. Enter the three letter ICAO designator followed by the flight identification number (e.g. IAC809) through the FMS or the Transponder control panel, depending on the airborne equipment.
2. **On requesting Pushback/Taxi (Whichever is earlier):** Select XPDR or equivalent and AUTO if available. This action will enable the aircraft ID, used as the Call sign by ATC, to be displayed on the surveillance display of ATC. ATC can verify the data and use it for necessary identification procedure.

3. **When Lining UP:** Select TCAS only after receiving the clearance to line up, to ensure that the performance of systems based on SSR frequencies, including airborne TCAS units, SSR and A-SMGCS is not compromised.

Arrival:

1. **When on the Runway:** Keep TCAS selected.
2. **After vacating the Runway:** Select XPDR or equivalent and AUTO if available. There is a need that the transponder remains able to exchange data with the A-SMGCS system. However to ensure the performance of the airborne TCAS Unit SSR & A-SMGCS, is not compromised that TCAS shall be deselected after vacating the Runway.
3. **Parked on Stand:** Select STBY. The transponder will not reply to interrogation. The discrete SSR Code given to that particular flight can now be recycled for other Flights.

Note 1: *When on Ground the Aircraft must squawk Mode C in order to provide the altitude information to the surveillance system and thereby prevent clutter on Terminal Approach Radar Display and False automatic detection of Departure for aircraft still on ground.*

Note 2: *TCAS shall not be activated before receiving the clearance to line up.*