

**REPORT OF LARGE HEIGHT DEVIATION OF 300 FT OT MORE BETWEEN FL 290 AND FL 410**

Report to the Caribbean and South American Monitoring Agency (CARSAMMA) of a height deviation of 300ft or more, including:

- 1) Those due to TCAS/ACAS;
- 2) Turbulence and contingency events; and
- 3) Operational errors resulting in flight at an incorrect level or coordinated by ATC units.

**NOTE:** The ATC Units are requested to inform CARSAMMA the LHD reports by the 10th day of the following month even if **NO** deviation occurs.

Name of FIR \_\_\_\_\_ .

Please complete Section I or II as appropriate.

**SECTION I:**

There were NO reports of large altitude deviation for the month/year \_\_\_\_\_ .

**SECTION II:**

There was (were) \_\_\_\_ report(s) of a height deviation of 300ft or more between FL 290 and FL410. Details of the height deviation are attached (Large Deviation Report Form).

(Please use a separate form for each report of height deviation).

**SECTION III:**

When complete please forward the report(s) to:  
Caribbean and South American Monitoring Agency (CARSAMMA)  
CENTRO DE GERENCIAMENTO DA NAVEGAÇÃO AÉREA  
PRAÇA SENADOR SALGADO FILHO, S/N - CENTRO  
20021-370 - RIO DE JANEIRO - RJ  
Telefone: (55-21)2101-6358 Fax: (55-21) 2101-6358  
E-Mail: [carsamma@cgna.gov.br](mailto:carsamma@cgna.gov.br)

## NOTES TO AID COMPLETION OF CARSAMMA FORM CMA F4

### SPECIFICATION OF THE FIELDS:

1. ENTER TODAY'S DATE.
2. ENTER THE 4 (FOUR) LETTER ICAO IDENTIFIER FOR THE FIR OR ENTER THE NAME OF THE REPORTING UNIT.
3. ENTER THE OPERATOR'S 3 (THREE) LETTER ICAO IDENTIFIER. FOR INTERNATIONAL GENERAL AVIATION, ENTER "IGA".
4. ENTER THE CALL SIGN AND THE ACFT REGISTRATION NUMBER.
5. ENTER THE ICAO DESIGNATOR AS CONTAINED IN ICAO DOC 8643, E.G., FOR AIRBUS A320-211, ENTER A320; FOR BOEING B 747-438, ENTER B744.
6. ENTER "YES" OR "NO". IF "YES", INFORM THE FLIGHT LEVEL.
7. ENTER THE DATE OF OCCURRENCE.
8. ENTER THE TIME UTC OF OCCURRENCE.
9. ENTER THE OCCURRENCE POSITION (FIX, LAT/LONG OR RADIAL AND NAUTICAL MILES).
10. ENTER THE CLEARED ROUTE OF FLIGHT (IN CASE OF DIRECT OR ALEATORIC FLIGHTS, ENTER "DCT").
11. ENTER THE CLEARED FLIGHT LEVEL.
12. ENTER THE ESTIMATED DURATION AT INCORRECT FLIGHT LEVEL (IN SECONDS).
13. ENTER THE OBSERVED DEVIATION IN FEET (FOR UPWARDS DEVIATIONS, WRITE "+", FOR DOWNWARDS DEVIATIONS, WRITE "-").
14. ENTER THE OTHER TRAFFIC INVOLVED, IF ANY (CALL SIGN, REGISTRATION NUMBER, FLIGHT LEVEL, AIRCRAFT TYPE AND ROUTE).
15. ENTER THE CAUSE OF DEVIATION ACCORDING TO THE TABLE BELOW:

<b>A</b> - Failure to climb / descend as cleared.	<b>I</b> - ATC system loop error; (e.g.: Pilot misunderstands clearance message or ATC issues incorrect clearance).
<b>B</b> - Climb / descend without ATC clearance.	<b>J</b> - Equipment control error encompassing incorrect operation of fully functional FMS or navigation system; (e.g.: By mistake the pilot incorrectly operates INS equipment).
<b>C</b> - Entry into airspace at an incorrect flight level.	<b>K</b> - Incorrect transcription of ATC clearance or re-clearance into the FMS.
<b>D</b> - Deviation due to turbulence or other weather related cause.	<b>L</b> - Wrong information faithfully transcribed into the FMS; (e.g.: Flight plan followed rather than ATC clearance or original clearance followed instead of re-clearance).
<b>E</b> - Deviation due to equipment failure.	<b>M</b> - Error in ATC-unit to ATC-unit transition message.
<b>F</b> - Deviation due to collision avoidance system (ACAS/TCAS) advisory.	<b>N</b> - Negative transfer received from transitioning ATC-unit.
<b>G</b> - Deviation due to contingency event.	<b>O</b> - Other.
<b>H</b> - Aircraft not approved for operation in RVSM restricted airspace.	<b>P</b> - Unknown.

16. ENTER THE OBSERVED/REPORTED FINAL FLIGHT LEVEL, PROVIDING THE SOURCE OF INFORMATION (MODE C AND/OR PILOT).
17. and 18. SELECT ONE OF THE OPTIONS: IF THE AIRCRAFT WAS ABOVE OR BELOW THE CLEARED LEVEL.
19. SELECT ONE OF THE OPTIONS: IF THE FL COMPLIED WITH THE ICAO ANNEX 2 TABLES OF CRUISING LEVELS.
20. WRITE A BRIEF DESCRIPTION OF DEVIATION.
21. WRITE THE CREW COMMENTS, IF ANY.

**CMA F4****LARGE HEIGHT DEVIATION FORM**

Report to the CARSAMMA of an altitude deviation of 300ft or more, including those due to TCAS, Turbulence and Contingency Events

1. Today's date:	2. Reporting Unit:		
<b>DEVIATION DETAILS</b>			
3. Operator Name:	4. Call Sign: ACFT Registration Number:	5. Aircraft Type:	6. Mode C Displayed: <input type="checkbox"/> Yes. Which FL? _____ <input type="checkbox"/> No.
7. Date of Occurrence:	8. Time UTC:	9. Occurrence Position (lat/long or Fix):	
10. Cleared Route of Flight:			
11. Cleared Flight Level:	12. Estimated Duration at Incorrect Flight Level (seconds):	13. Observed Deviation (+/- ft):	
14. Other Traffic Involved:			
15. Cause of Deviation ( <i>brief title</i> ):  (Examples: ATC Loop Error, Turbulence, Weather, Equipment Failure)			
<b>AFTER DEVIATION IS RESTORED</b>			
16. Observed/Reported Final Flight Level*:	Mark the appropriate Box		19. Did this FL comply with the ICAO Annex 2 Tables of Cruising Levels?
*Please indicate the source of information: <input type="checkbox"/> Mode C <input type="checkbox"/> Pilot	17. Is the FL above the cleared level: <input type="checkbox"/>	18. Is the FL below the cleared level: <input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

**NARRATIVE**

20. Detailed Description of Deviation  
(Please give your assessment of the actual track flown by the aircraft and the cause of the deviation.)

**21 - CREW COMMENTS (IF ANY)**

When complete please forward the report(s) to:  
 Caribbean and South American Monitoring Agency (CARSAMMA)  
 CENTRO DE GERENCIAMENTO DA NAVEGAÇÃO AÉREA  
 PRAÇA SENADOR SALGADO FILHO, S/N - CENTRO  
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