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**FAJA FIR- (MATSAPHA TMA)**

**IMPLEMENTATION OF REDUCED VERTICAL SEPERATION MINIMA (RVSM) WITHIN SWAZILAND AIRSPACE**

**AIRAC Effective Date: 25<sup>th</sup> September 2008**

**1. INTRODUCTION**

*Reduced Vertical Separation Minima (RVSM) refers to vertical separation of aircraft by 1000 ft above Flight Level (FL) 290. Only State RVSM approved aircraft, will be permitted to operate in RVSM airspace within the Swaziland Area of Responsibility. (Matsapha TMA)*

*After prior coordination with appropriate ATC centre, State Aircraft (Military, Police and Customs) not RVSM approved will be cleared to operate within RVSM airspace within Swaziland Area of Responsibility, two Thousand foot (2000 ft) vertical separation will be applied to such aircraft.*

*Implementation of RVSM within the Swaziland Area of Responsibility will occur in accordance with ICAO Regional agreements.*

**2. IMPLEMENTATION**

**2.1** *Effective 0001 UTC, 25<sup>th</sup> September 2008 RVSM will be implemented within the Swaziland Area of Responsibility, between FL290 and FL410, inclusive.*

**2.2** *Commencing at the time of switch over, FL310, FL350 and FL390 will change direction from West bound to East bound flight levels. To ensure safety of operations during the switch over period, the use of these (3) flight levels will be suspended for a period of two (2) hours effective from the time of switch over, to ensure that those flights which were legally operating at the flight levels mentioned, have vacated the levels and have reached and are maintaining the correct RVSM flight levels, prior to these flight levels being reallocated to flights on EAST bound headings.*

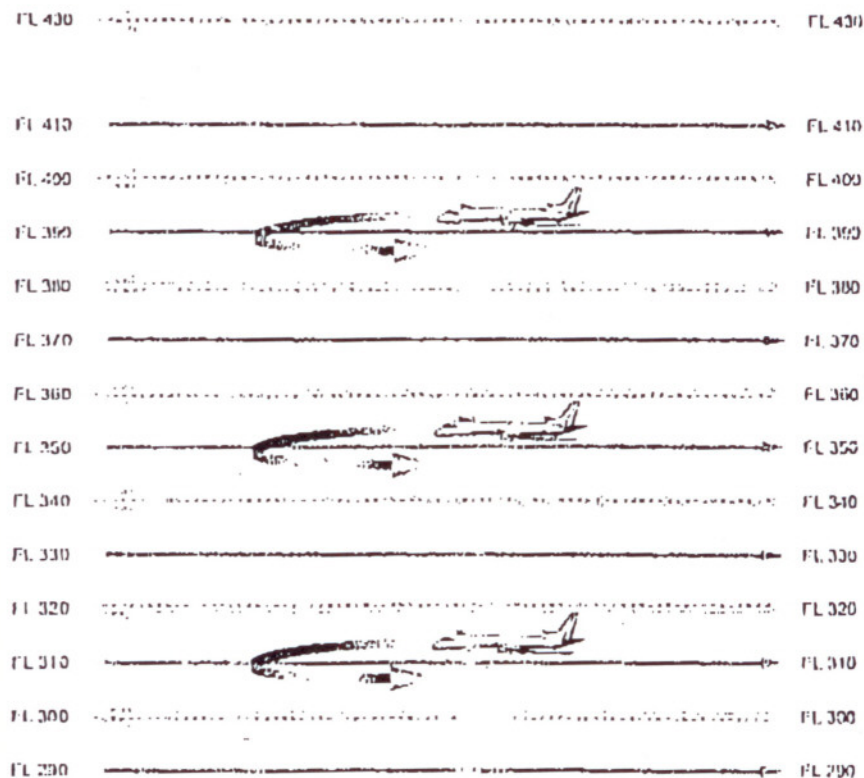
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- 2.3 Operators who do not have approval, and/or whose aircraft are not RVSM certified will be excluded from the RVSM Flight Level Band, being required to operate FL280 or below, or above FL410.
- 2.4 Operators are to note that after the implementation of RVSM, FL420 will no longer be regarded as a valid Flight Level. The next available Flight Level will be Flight Level 430.

*In the event of a Two Thousand foot (2000ft) separation being applied between aircraft within the RVSM flight level band, appropriate RVSM flight levels will be applied.*

**References:** AIC 02/06 as amended  
AFI Regional Supplementary Procedures (DOC 7030)  
ICAO Annex 2 Appendix 3(a) refers.

#### FLIGHT DIRECTION CHANGES UNDER RVSM



*Acknowledgement: DRVSM Air Traffic Implementation Guide.*

### 3. Operations above flight level (FL)410

*Taking into consideration the extended distances of sectors which may be flown by operators, the AFI RVSM Implementation Safety Policy has made allowance for those*



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*non RVSM approved aircraft which are capable of operating at flight levels above FL410.*

*Restrictions placed on flights planning to operate at flight levels above FL410 require the climb to the planned flight level, once authorized and commenced under ATC clearance, to be conducted without interruption, until clear of the RVSM flight level band.*

*Conversely, once authorized and commenced under ATC clearance, descent from flight levels above FL410 are to be conducted without interruption, until clear of the RVSM flight level band.*

*Non-RVSM approved aircraft intending to operate above FL410 will need to flight plan in accordance with RVSM procedures of neighbouring Regions should the flight commence or terminate in those regions.*

**Reference: AFI Regional Supplementary Procedures (ICAO DOC. 7030)**

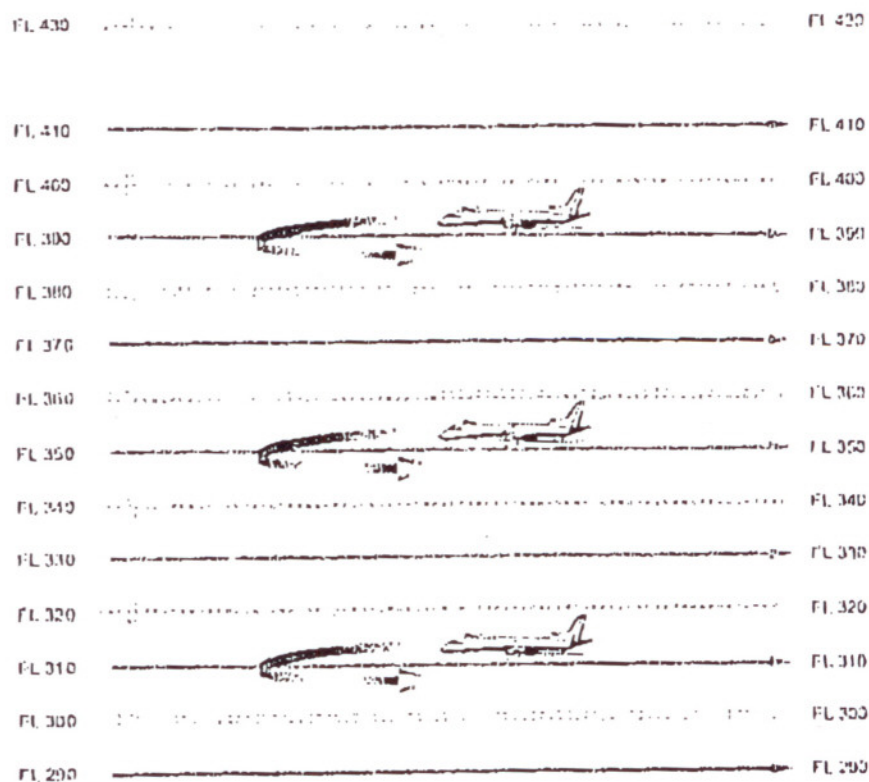
**4. SUSPENSION OF FLIGHT LEVELS (FL)310,350 AND 390 AT TIME OF SWITCH OVER TO RVSM**

*Commencing with the time of switch over, FL310, FL350 and FL390 will change direction from WEST bound to EAST bound flight levels. To ensure safety of operations during the switch over period, the use of these three flight levels is suspended for a period of two (2) hours with effect from 0001UTC 25<sup>th</sup> September 2008 to 0201UTC 25<sup>th</sup> September 2008.*

*The suspension in the use of these flight levels at the time of switch over, is to ensure that those flights which were legally operating at the flight levels mentioned on WEST bound headings, have vacated the levels and have reached and are maintaining their flight planned RVSM flight levels, before these flight levels are reallocated to flights on EAST bound headings*

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## FLIGHT DIRECTION CHANGES UNDER RVSM

*Acknowledgement: DRVSM Air Traffic Implementation Guide***5. SUSPENSION OF OPERATIONS FOR NON RVSM APPROVED AIRCRAFT ABOVE FL410 DURING SWITCH OVER TO RVSM.**

**5.1** In order to allow Air Traffic Controllers to concentrate on completing the switch over from two thousand feet (2000ft) vertical separation to one thousand feet (1000ft) vertical separation without having to contend with possible conflict of traffic climbing to or descending from flight levels above FL410, all operations above FL410 with regard to non RVSM approved aircraft are suspended with effect from 2201UTC on the 24<sup>th</sup> September 2008 to 0201UTC on the 25<sup>th</sup> September 2008.

**5.2** As there may be non RVSM approved flights operating above FL410 during the forementioned time period, operators are to note that such flights will be required to descend to FL280 or below and flight plan accordingly or to delay intended operations until after 0201UTC on the 25<sup>th</sup> September 2008.

**6. DISCONTINUANCE OF OPERATIONS OF NON RVSM APPROVED AIRCRAFT BETWEEN FLIGHT LEVEL (FL)290 AND FLIGHT LEVEL (FL)410 INCLUSIVE.**

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- 6.1 *Effective 2201UTC on the 24<sup>th</sup> September 2008, with the exception of State Aircraft non RVSM approved (Military, Police and Customs), all other non RVSM approved aircraft are permanently excluded from operations in the airspace between FL290 and FL410 inclusive.*
- 6.2 *Non RVSM approved aircraft are to plan for operations at FL280 or below, alternately above FL410.*
7. **TIME OF SWITCH OVER**

*In order to sensitise pilots of the pending change to the airspace environment, commencing at 2315UTC on the 24<sup>th</sup> September, controllers shall broadcast the following message on the appropriate Area Control Frequencies, "Attention all aircraft x2, RVSM operations will begin at 0001UTC", This message will be repeated at 2330, 2345 and again at 2355.*