

Combined ASIOACG/9 and INSPIRE/5 Meeting, 2014

Dubai, UAE, 12th to 14th November 2014

Agenda Item 3: ATM issues

Reduced horizontal separation strategic plan

(Presented by Emirates)

SUMMARY

The gap of horizontal separation standards between FIRs is already listed as a part of Action plan. For harmonization, we propose to discuss the introduction plan and schedule as a road map.

1. INTRODUCTION

1.1 Reduced horizontal separation standards have been discussed for flight efficiency in growing traffic density around Arabian Sea and Indian Ocean. RNP10 50/50 and RNP4 30/30 introduction is already included in the action plan for 2014/2015.

2. DISCUSSION

2.1 The UPR geographic zone was introduced with the requirements of RNP10 and Datalink and India has recently joined Australia in making RNP4 30/30 available. .

2.2 We still have however various longitudinal separation standards applied in other areas (i.e. 10min, 80nm, 50nm and 30nm)

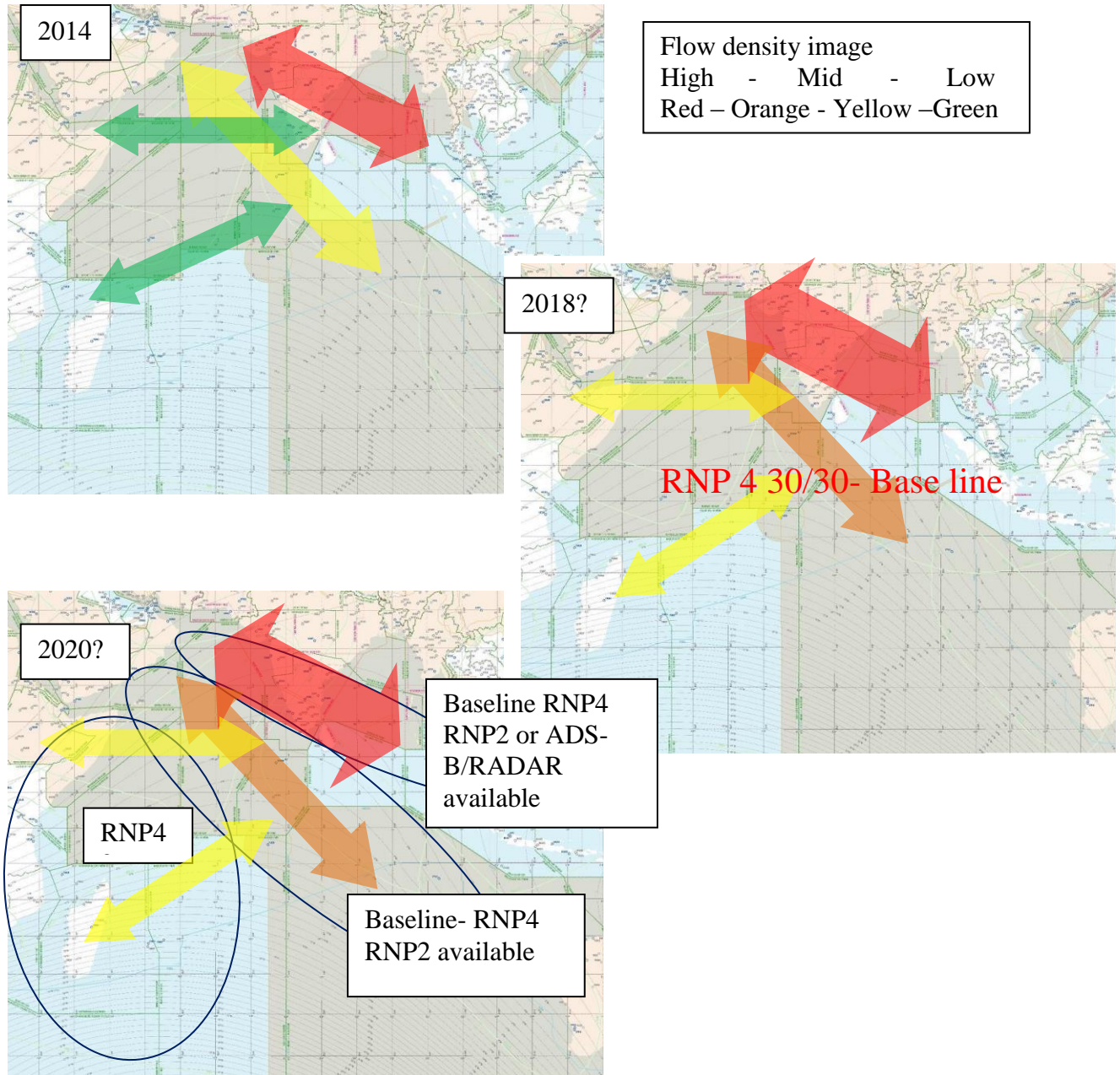
2.3 For Airspace efficiency enhancements based on traffic flow and density, a strategic view and road map for current and future reduced horizontal separation should be introduced.

2.4 In ASIOACG area, we should consider the application of RNAV 80nm Longitudinal and RNP 10 50 nm lateral as the minimum standard TODAY for all operations outside of surveillance coverage.

2.5 The consistent application of RNP10 50/50 should be a short term goal with transition to RNP4 30/30 in the short medium term and further RNP2 based separation in the medium /long term. RNP2 for non-surveillance areas is also consistent with the PBN plan of RNP 2 for continental airspace.

2.6 Follow up of current condition and future plan by each state would be required to be updated in ACTION PLAN.

2.7 As per discussed airspace development concept, analyze Traffic flow density and future trend for analysis of required separation standard for each flow at each phase.



2.8 From traffic trend forecast, consider required separation standard for entire FIR and its introduction for supporting off airway operation.

2.9 The action plan already includes RNP10 50/50 and RNP4 30/30 as target, this action plan will be recognized as phase1 until the end of 2015.

2.10 Then we should consider further reduced separation as phase2 until 2018.

3. **ACTION BY THE MEETING**

3.1 The meeting is invited to

- a) States ANSP and CAA to review its requirement and development plan.
- b) Operator to plan to have appropriate equipage for best airspace efficiency.
- c) All stakeholders should discuss minimum capability requirements
