

ELEVENTH AIR NAVIGATION CONFERENCE

Montreal, 22 September to 3 October 2003

Agenda Item 7 : Aeronautical air-ground and air-to-air communications

FUTURE AERONAUTICAL MOBILE COMMUNICATION SCENARIOS

(Presented by the Secretariat)

CORRIGENDUM

Replace the appendix with the attached pages. The replacement is provided to enhance the typographical readability of some of the captions to the figures.

On the diagrams the introduction of a service is associated with one of the following trigger events:

- a) capacity: increase of the telecommunication infrastructure capacity;
- b) quality: improvement of quality of voice exchanges;
- c) coverage: improvement of coverage;
- d) ADS-B: automatic dependent surveillance broadcast;
- e) FANS 1/A: Boeing/Airbus data link avionics applications;
- f) CPDLC Ph 1: first set of SARPs-compliant CPDLC messages;
- g) CPDLC Ph 2: second set of SARPs-compliant CPDLC messages; and
- h) ARINC 623: departure/pre-departure clearance (DCL/PDC) and automatic terminal information service (ATIS) character oriented data link applications.

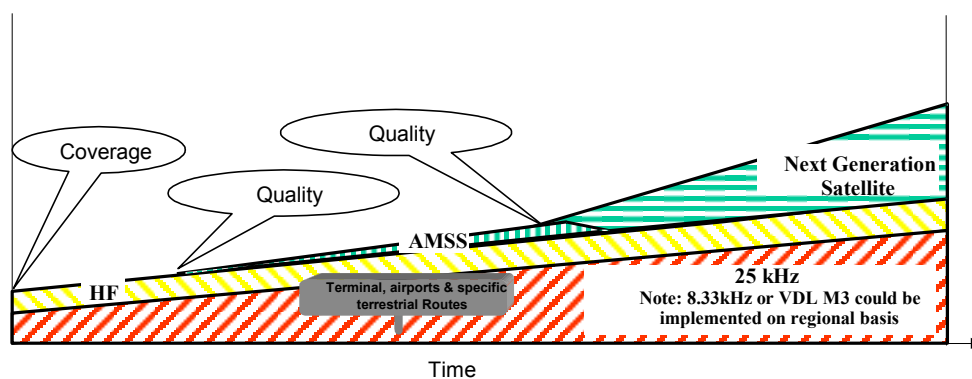


Figure A1 - Voice services in oceanic and low/medium air traffic density regions where only a limited ground-based communication infrastructure can be deployed.

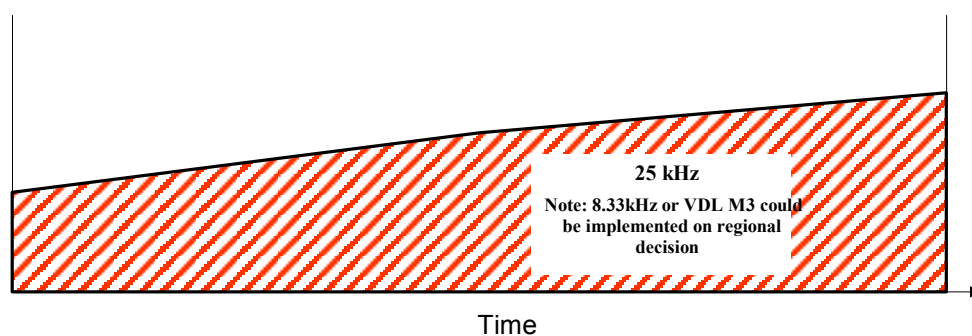


Figure A2 - Voice services in low/medium air traffic density regions where a full ground-based communication infrastructure can be deployed.

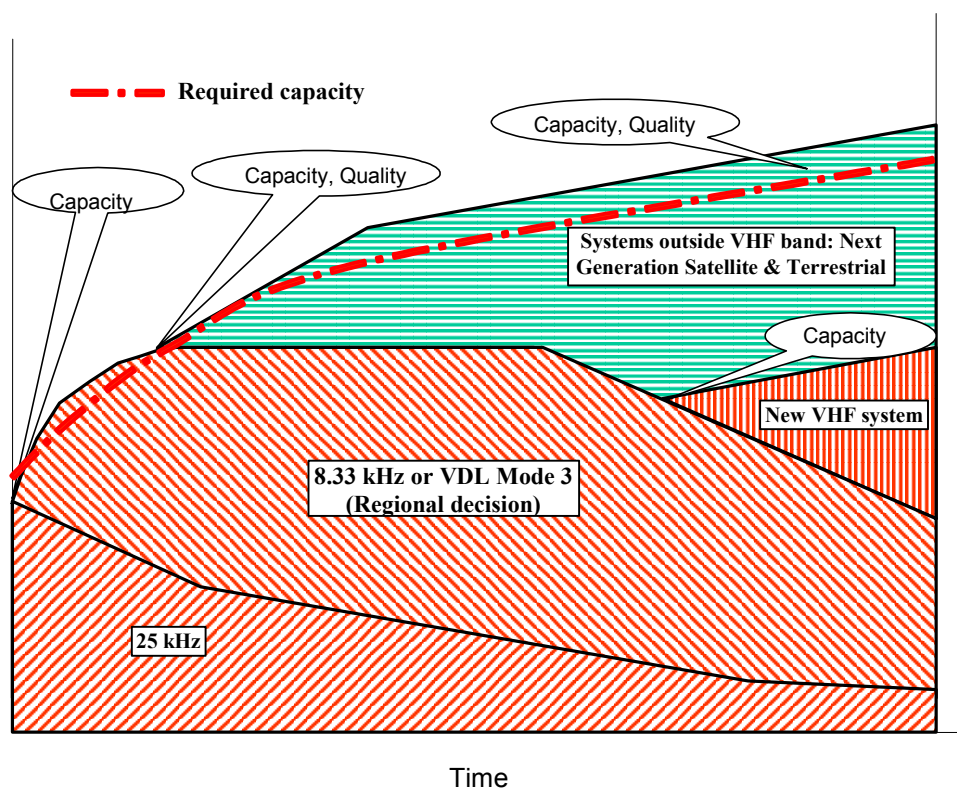


Figure A3 - Voice services in High density areas

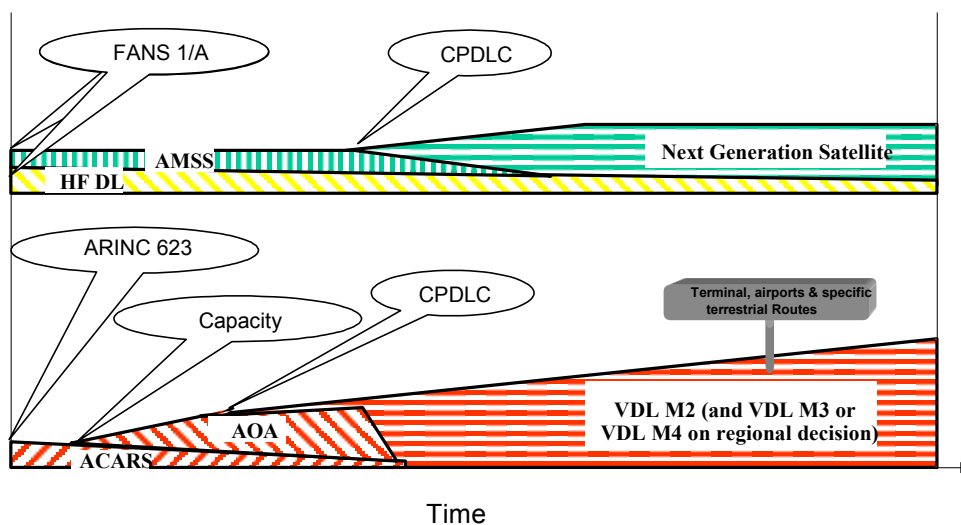


Figure A4 - Data link communications services in oceanic and low/medium air traffic density regions where only a limited ground-based communication infrastructure can be deployed.

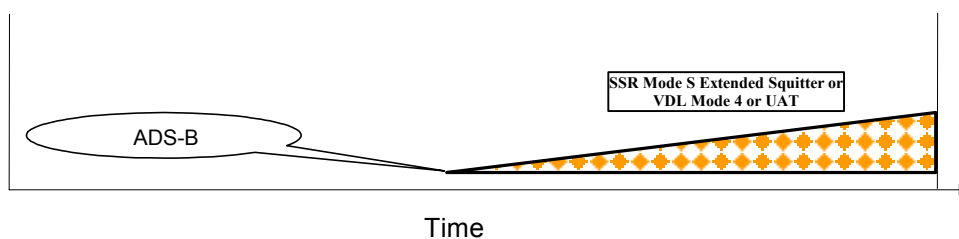


Figure A5 - Data link surveillance services in oceanic and low/medium air traffic density regions where only a limited ground-based communication infrastructure can be deployed..

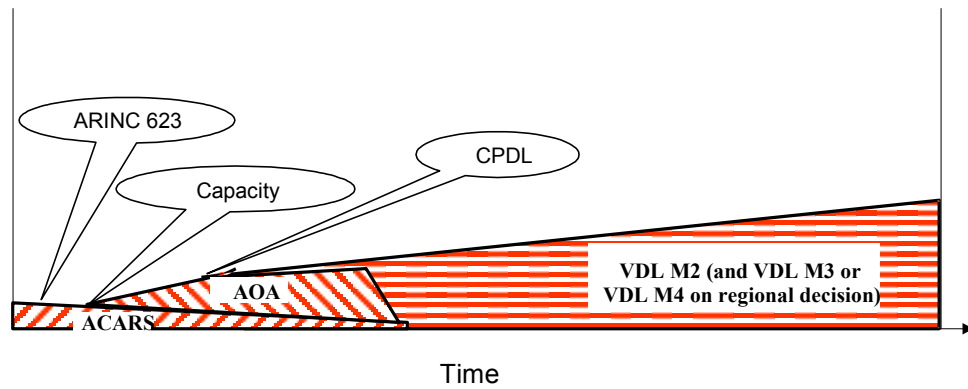


Figure A6 - Data link communications services in low/medium air traffic density regions where a full ground based communication infrastructure can be deployed.

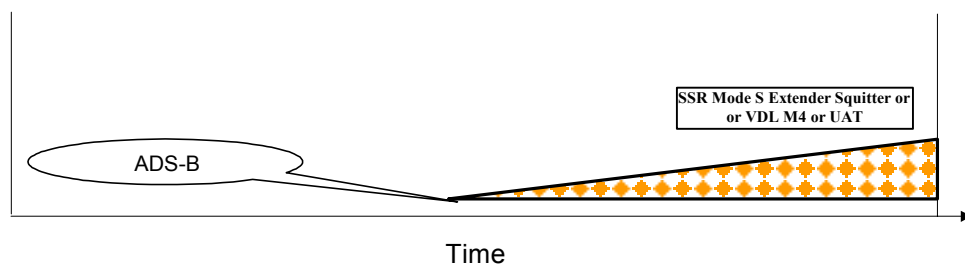


Figure A7 - Data link surveillance services in low/medium air traffic density regions where a full ground based communication infrastructure can be deployed.

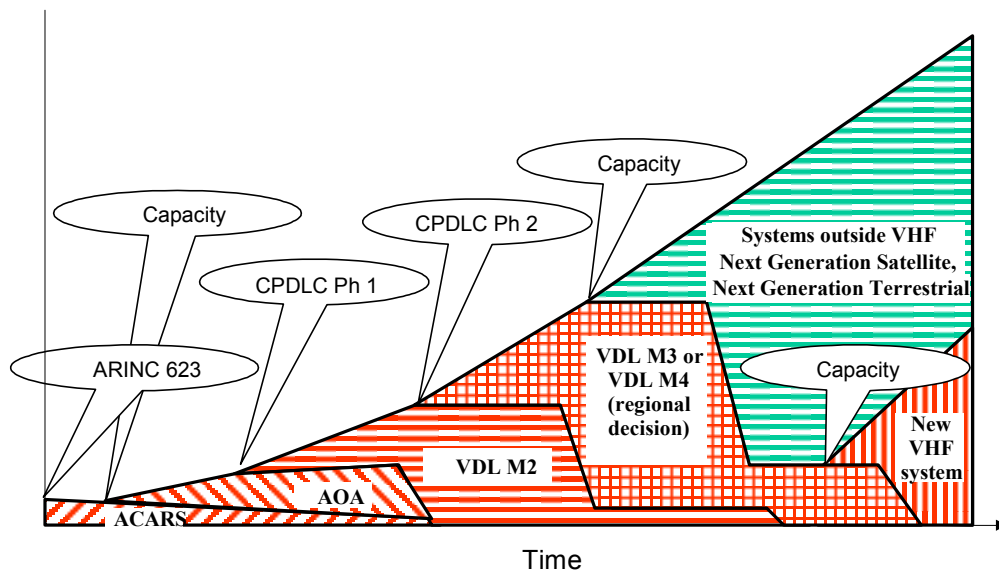


Figure A8 - Data link communications services in high density terrestrial areas where.

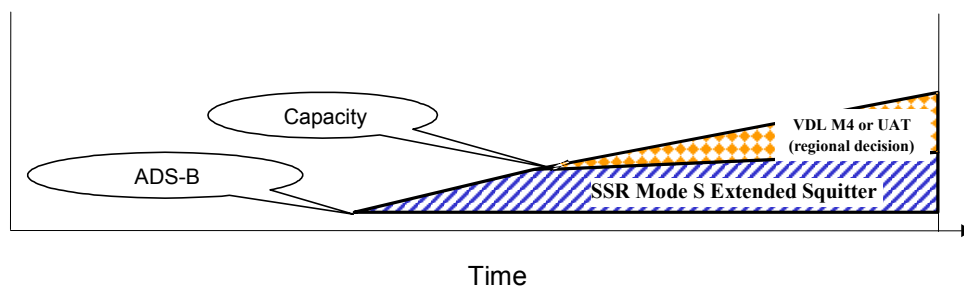


Figure A9 - Data link surveillance services in high density terrestrial areas.