

APPENDIX
SCENARIO DIAGRAMS

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.

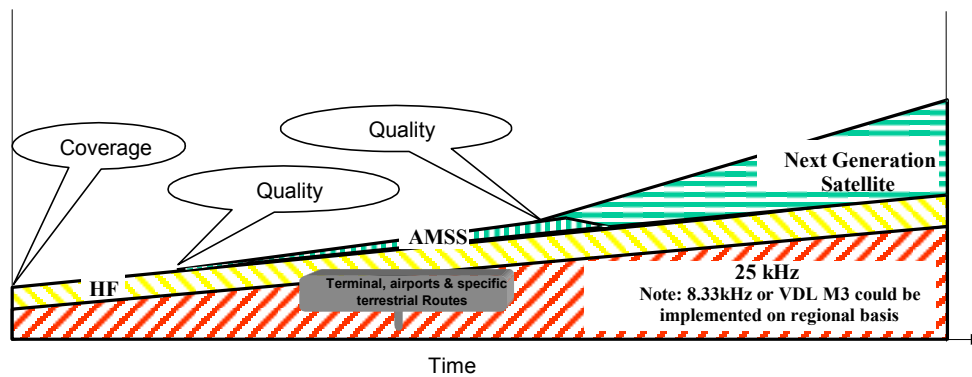


Figure A1 - Voice services in oceanic and low/medium air traffic density regions where only a limited ground-based communication infrastructure can be deployed.

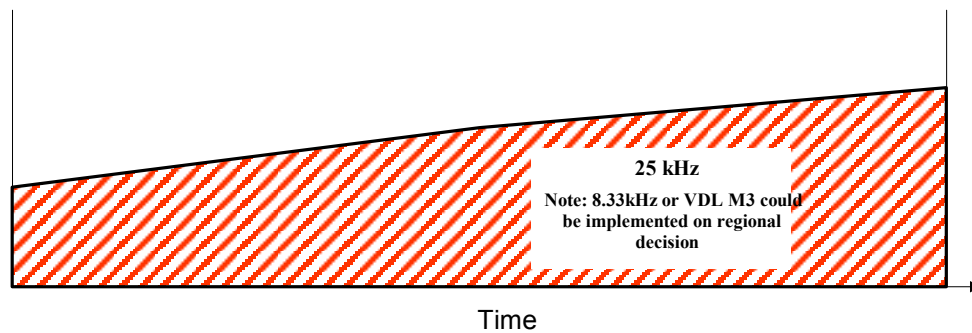


Figure A2 - Voice services in low/medium air traffic density regions where a full ground-based communication infrastructure can be deployed.

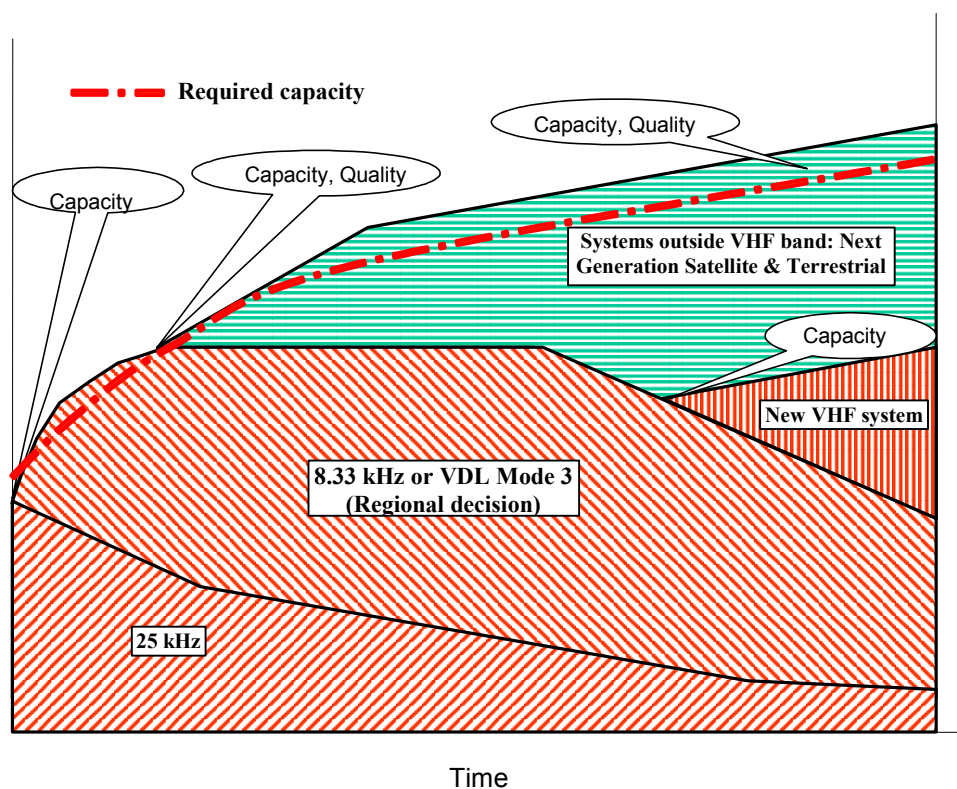


Figure A3 - Voice services in High density areas

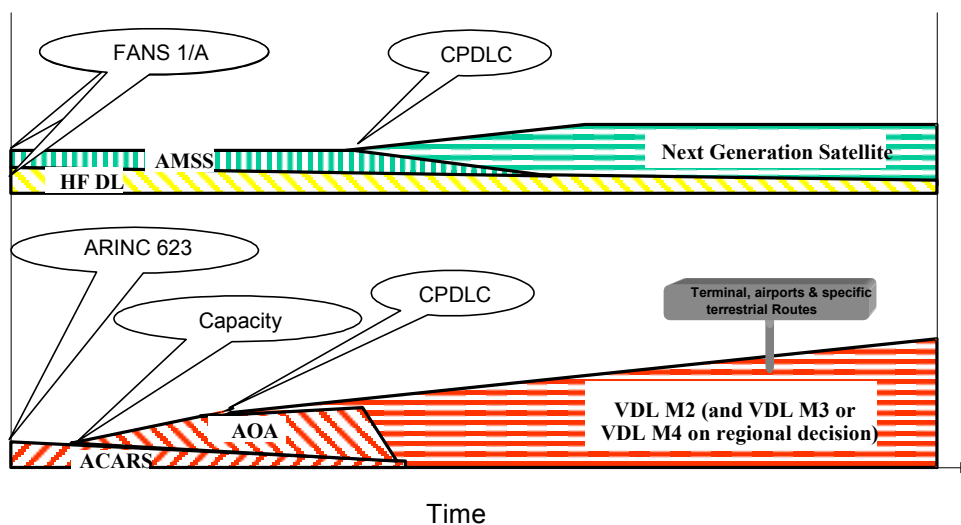


Figure A4 - Data link communications services in oceanic and low/medium air traffic density regions where only a limited ground-based communication infrastructure can be deployed.

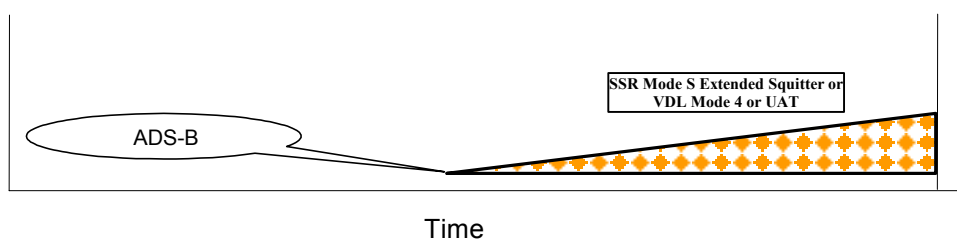


Figure A5 - Data link surveillance services in oceanic and low/medium air traffic density regions where only a limited ground-based communication infrastructure can be deployed..

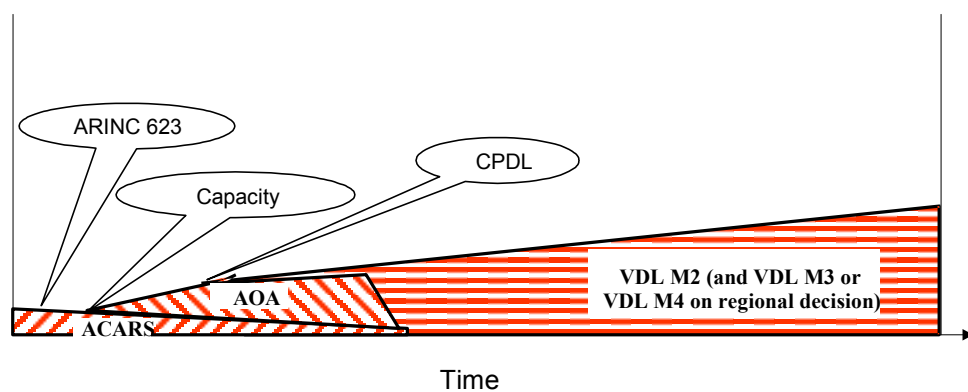


Figure A6 - Data link communications services in low/medium air traffic density regions where a full ground based communication infrastructure can be deployed.

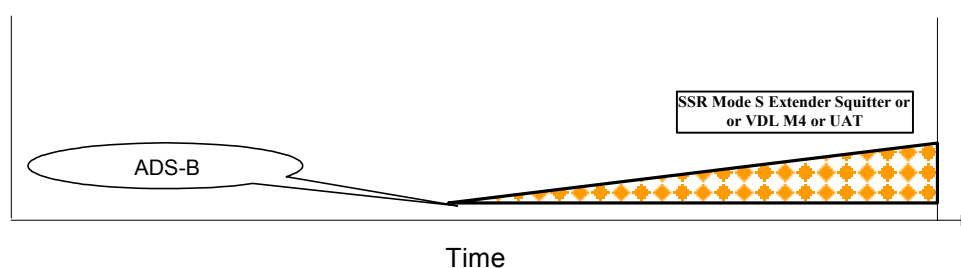


Figure A7 - Data link surveillance services in low/medium air traffic density regions where a full ground based communication infrastructure can be deployed.

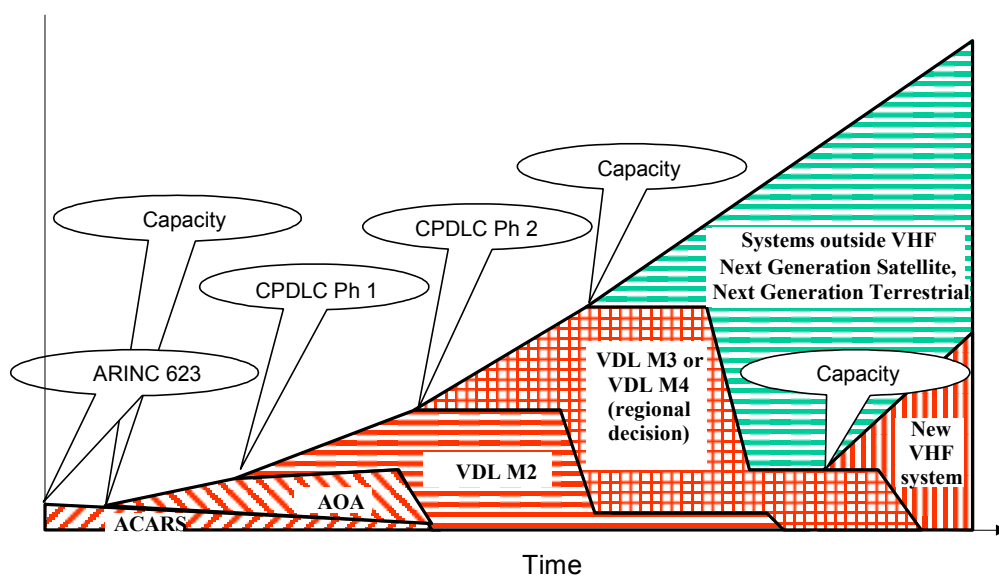


Figure A8 - Data link communications services in high density terrestrial areas where.

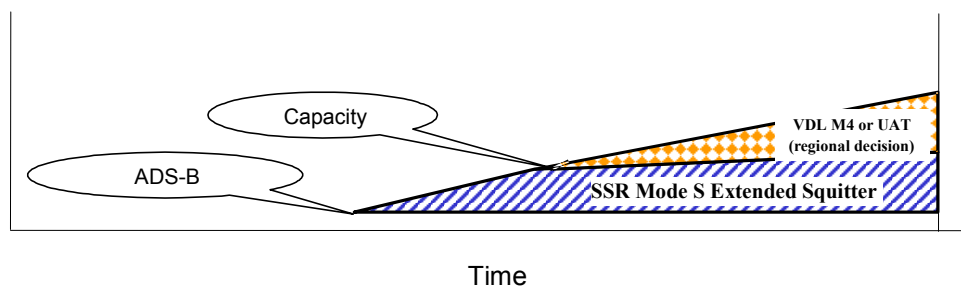


Figure A9 - Data link surveillance services in high density terrestrial areas.