

Section 4. ATC Clearances and Aircraft Separation

Paragraph	Page
4-4-1. Clearance	4-4-1
4-4-2. Clearance Prefix	4-4-1
4-4-3. Clearance Items	4-4-1
4-4-4. Amended Clearances	4-4-2
4-4-5. Coded Departure Route (CDR)	4-4-3
4-4-6. Special VFR Clearances	4-4-3
4-4-7. Pilot Responsibility upon Clearance Issuance	4-4-4
4-4-8. IFR Clearance VFR-on-top	4-4-4
4-4-9. VFR/IFR Flights	4-4-5
4-4-10. Adherence to Clearance	4-4-5
4-4-11. IFR Separation Standards	4-4-7
4-4-12. Speed Adjustments	4-4-7
4-4-13. Runway Separation	4-4-10
4-4-14. Visual Separation	4-4-10
4-4-15. Use of Visual Clearing Procedures	4-4-11
4-4-16. Traffic Alert and Collision Avoidance System (TCAS I & II)	4-4-11
4-4-17. Traffic Information Service (TIS)	4-4-12

Section 5. Surveillance Systems

4-5-1. Radar	4-5-1
4-5-2. Air Traffic Control Radar Beacon System (ATCRBS)	4-5-2
4-5-3. Surveillance Radar	4-5-7
4-5-4. Precision Approach Radar (PAR)	4-5-7
4-5-5. Airport Surface Detection Equipment (ASDE-X)/Airport Surface Surveillance Capability (ASSC)	4-5-7
4-5-6. Traffic Information Service (TIS)	4-5-8
4-5-7. Automatic Dependent Surveillance-Broadcast (ADS-B) Services	4-5-14
4-5-8. Traffic Information Service- Broadcast (TIS-B)	4-5-18
4-5-9. Flight Information Service- Broadcast (FIS-B)	4-5-19
4-5-10. Automatic Dependent Surveillance-Rebroadcast (ADS-R)	4-5-21

Section 6. Operational Policy/Procedures for Reduced Vertical Separation Minimum (RVSM) in the Domestic U.S., Alaska, Offshore Airspace and the San Juan FIR

4-6-1. Applicability and RVSM Mandate (Date/Time and Area)	4-6-1
4-6-2. Flight Level Orientation Scheme	4-6-1
4-6-3. Aircraft and Operator Approval Policy/Procedures, RVSM Monitoring and Databases for Aircraft and Operator Approval	4-6-2
4-6-4. Flight Planning into RVSM Airspace	4-6-2
4-6-5. Pilot RVSM Operating Practices and Procedures	4-6-3
4-6-6. Guidance on Severe Turbulence and Mountain Wave Activity (MWA)	4-6-3
4-6-7. Guidance on Wake Turbulence	4-6-5
4-6-8. Pilot/Controller Phraseology	4-6-5
4-6-9. Contingency Actions: Weather Encounters and Aircraft System Failures that Occur After Entry into RVSM Airspace	4-6-7
4-6-10. Procedures for Accommodation of Non-RVSM Aircraft	4-6-9
4-6-11. Non-RVSM Aircraft Requesting Climb to and Descent from Flight Levels Above RVSM Airspace Without Intermediate Level Off	4-6-10