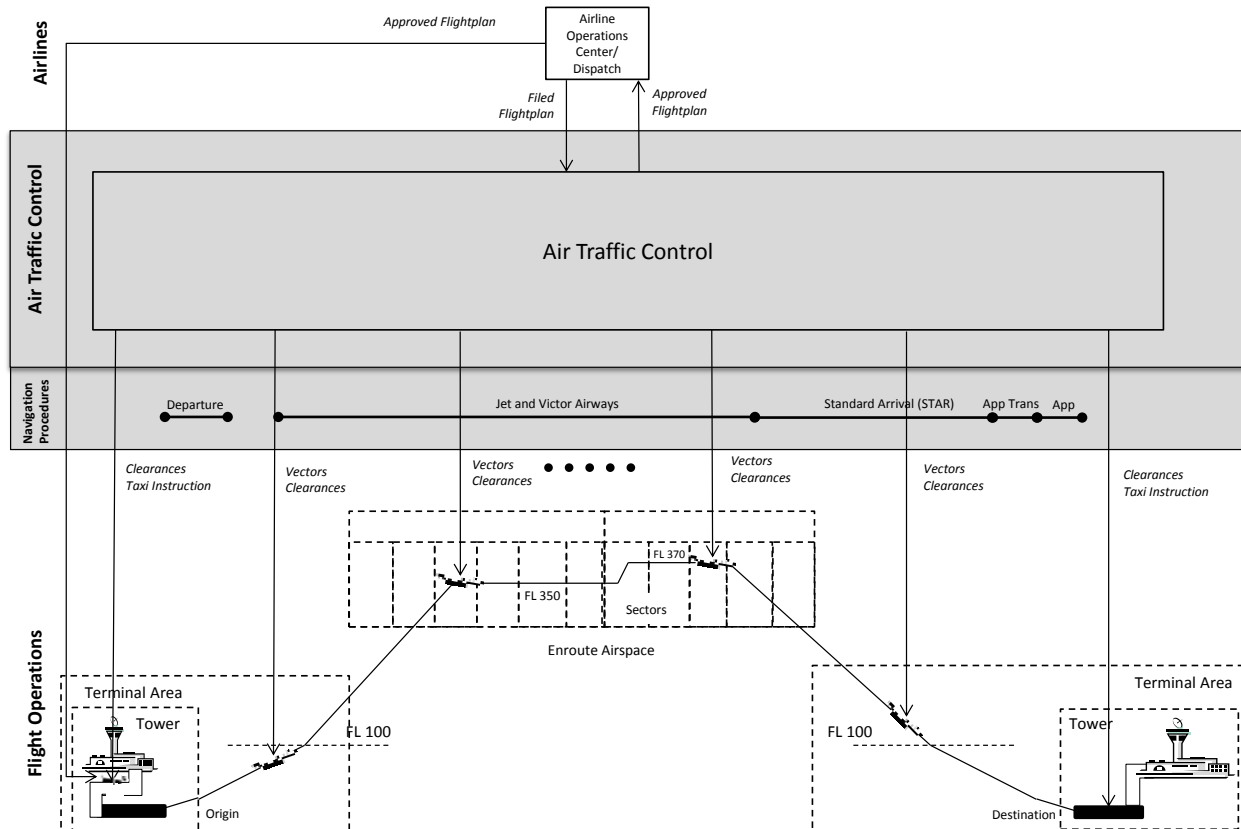


SWYK QUIZ INTRODUCTION TO FLYING

1. What are VFR and IFR ?
2. Why did the Federal Government become involved in air traffic control ?
3. Should the government remain involved in ATC? Explain.
4. What is controlled and uncontrolled airspace?
5. What are the roles of the Federal Aviation Administration? Explain why there are conflicting objectives between roles?
6. Describe one of the major themes in the evolution of the National Airspace System in the U.S. Provide example(s)?

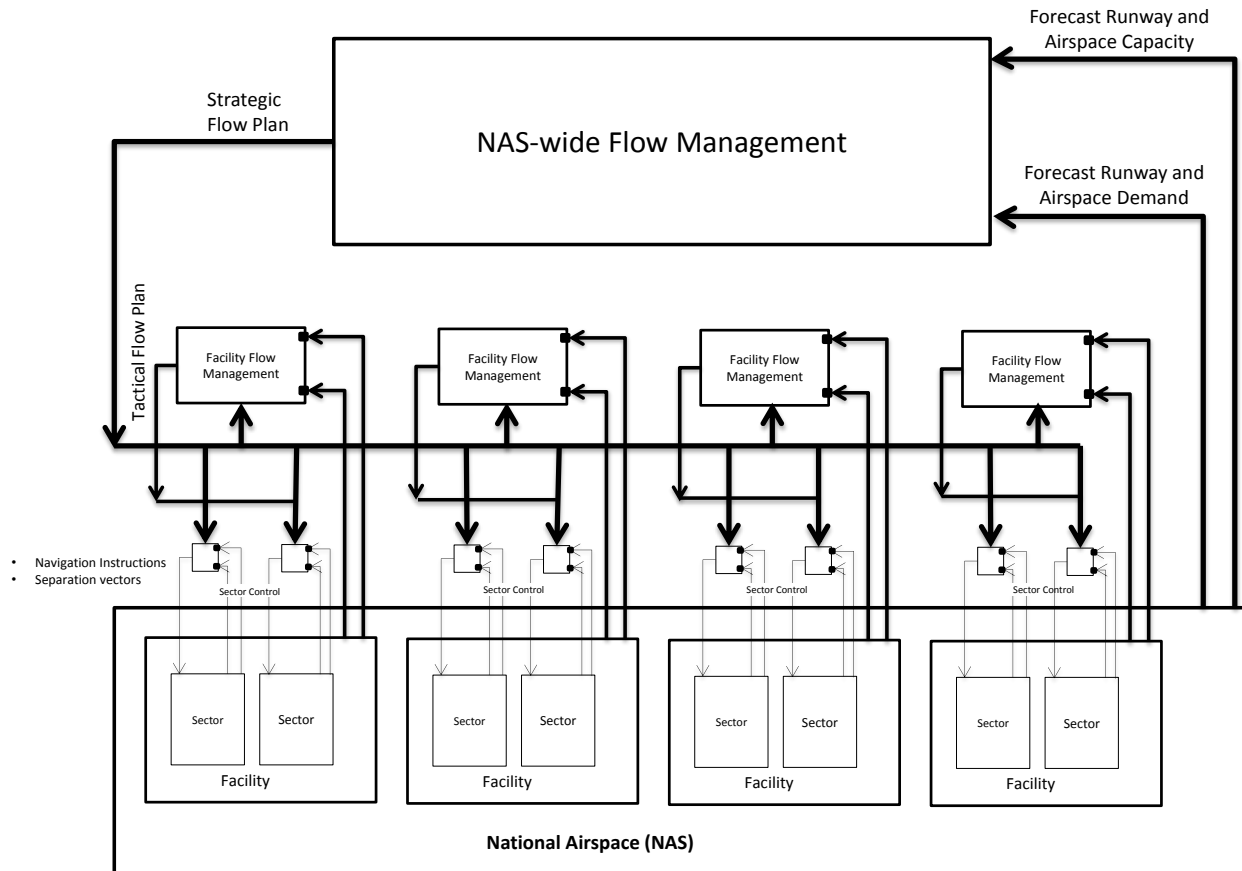
7. The figure below summarizes flight operations. Describe the roles of the three elements of the Air Transportation System on Flight Operations: (1) Navigation Procedures, (2) Air Traffic Control, (3) Airlines?

Short, concise description please



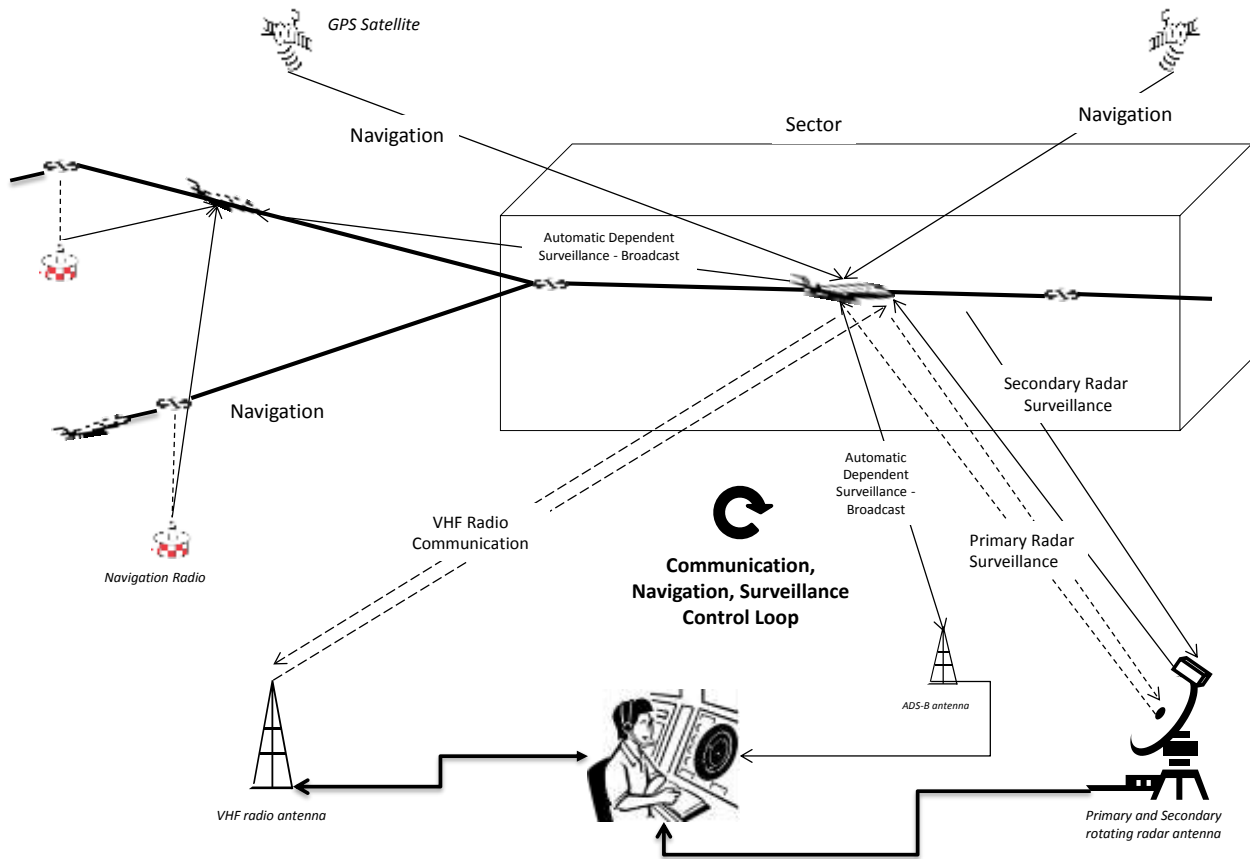
8. The figure below shows the 3 nested ATC control loops. Describe the functions performed by three nested –loops of the Air Traffic Control System: (1) Sector Control, (2) Facility Flow Management, (3) NAS-wide Flow Management?

Short, concise description please



9. The figure below shows the operations of Sector Control. Describe the Communication, Navigation and Surveillance Control loop for Sector Control

Short, concise description please



10. With respect to the certification of airmen, which is a **category of aircraft**?

- A - Gyroplane, rotorcraft, airship, free balloon
 - B - Airplane, rotorcraft, glider, lighter-than-air
 - C - Single-engine land and sea, multiengine land and sea
-

11. With respect to certification of airmen, which is a **class of aircraft**?

- A - Airplane, rotorcraft, glider, lighter-than-air
- B - Single-engine land and sea, multiengine land and sea
- C - Lighter-than-air, airship, hot air balloon, gas balloon

12. With respect to certification of aircraft, which is a **category of aircraft**?

- A - Normal, utility, aerobatic
- B - Airplane, rotorcraft, glider
- C - Landplane, seaplane

13. With respect to the certification of aircraft, which is a **class of aircraft**?

- A - Normal, utility, acrobatic, limited
- B - Airplane, rotorcraft, glider, balloon
- C - Transport, restricted, provisional