

**INTELLIGENT TRANSPORTATION SYSTEMS**  
**ADVANCED PUBLIC TRANSPORTATION SYSTEMS**  
**DISCUSSION ISSUES**

Note: Be prepared to answer the following questions.

**Question 1.**

What is the scope of APTS within the ITS framework? Provide a brief description of user services related to APTS.

**Question 2.**

Address the impact of Automated Dispatching Systems to the organizational structure of a transit provider.

**Question 3.**

What is the purpose of developing Transit Operations Software?

**Question 4.**

Discuss expected benefits from introducing advanced technologies to paratransit services.

**Question 5.**

Evaluate the impact of Intelligent Transit Management Operations.

**Question 6.**

In your opinion, will APTS save transit agencies from bankruptcy or increase their financial problems due to additional demands for ITS development and support? Explain why.

**Question 7.**

Who is the direct beneficiary of transit management systems and why?

**Question 8.**

Compare a transit system with and without APTS services. What are the added benefits under APTS for a. the users and b. the transit agency?

**Question 9.**

Discuss the potential impacts of a transit signal priority system.

**Research Topic**

Perform a literature search to identify operational tests related to APTS services. Be prepared to present two such tests in class. One of the tests should be from the southeast (AL, FL, GA) and the other one may be either U.S. based or international.