

## ASD KEY PRIORITY 5.2 GALILEO

### ISSUE

Galileo constellation and associated ground segment will soon be operational, thus providing Europe with its own satellites navigation system. In a context of rapidly growing competition with other space powers concerning satellite-base navigation systems, Galileo is of strategic importance for Europe.

It will be the first time in history that the EU will own a public infrastructure and it must develop the adequate legal and budgetary tools to operate and maintain this system in the long term.

It is obvious that mechanisms to collect potential revenues will be very complex and difficult to achieve in a context where non European systems (GPS, Glonass, Compass...) deliver free of charge services.

Galileo needs to be financed with public money.

### BACKGROUND

The FOC ("Fully Operational Constellation") procurement is now well on its way. The Dialogue Phase is completed for System Support, Satellites and Launch Services, thus comforting confidence that the contractors for these work packages will be selected and contracts awarded by the end of the year.

Regarding ground mission segment, Ground Control segment and possibly operations Work Packages, the procurement process will extend into 2010.

The first two In-Orbit Validation (IOV) satellites are still planned for launch by the end of 2010 from CSG and the next two in spring 2011, with Soyuz launchers.

However, it is now officially recognised that completion of Galileo system will take longer and cost more than the latest estimates of €3.4-billion by 2014.

It is anticipated that an initial constellation of only 16 satellites would be ready by the end of 2013.

The EC has thus divided the purchase of satellites planned for the FOC into two work orders.

### OBJECTIVES

- Complete the Galileo programme and allow Europe to own and operate a top performing system.
- Get the required budgets within the next Financial perspectives to properly operate and maintain the systems.
- Prepare the future to ensure a smooth continuation of the operations in the long term.

### ASD ACTION

- Elaborate an industry Position Paper on the future operations of Galileo and lobby for adequate funding.
- Foster the use of Galileo, also throughout Europe and lobby for appropriate regulations.
- Initiate the preparation of technologies needed to further develop and enhance Galileo services.

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