CSG New Generation
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ABSTRACT
The CSG\textsuperscript{1} has been operating for more than 50 years. Since the 60’s many adaptations occurred to cope with evolutions driven by each new launch systems implemented. At the beginning, sounding rockets, then Diamant launcher, Europa launcher, Ariane 1 to Ariane 4 family and now, Ariane 5, Soyuz and Vega.

CSG’s main mission is to support launches with telemetry, localisation and neutralisation if needed. This implies a lot of installations to be operated and maintained. The last major evolution was done with CSG 2000 programme during the 90’s to welcome Ariane 5 launch system.

In a very near future, exploitation of Vega-C and Ariane 6 will arise. Thus, CSG has to be consolidated and has to evolve, in the first instance, to maintain launch base reliability and availability, and also to improve launch rate with cost efficiency for maintenances and operations with respect to environment.

The Future Launch Base named “CSG New Generation” will centre around 2 major axes; upgrade of installations and development of new means like Mission Control Centre, networks, using as much as possible numerical technologies, automation, standardization and new operational methods.

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