

SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM (B2)
Fixed and Broadcast Communications (2)

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SOYUZ LAUNCHER'S TELEMETRY SYSTEM BY DASSAULT AVIATION

Abstract

Mostly known in the aeronautical sector, Dassault Aviation also leads space activities. Alongside its aerospace vehicles and pyrotechnics components, the company is also involved in telemetry systems for launchers. We began our activities with Ariane family launchers due to our skills with Test Flight Directorate's telemetry infrastructure in Istres. For example, Dassault Aviation realized the ground telemetry system of Ariane-5 launched from French Guyana (South America). In September 2008, French space agency's Cnes renewed its confidence to Dassault Aviation by granting him the contract of SCET Multilauncher (SCET-M) development. The telemetry system designed by the company will be operated by the Guyana space center for Ariane-5 but also for the Soyuz (Russia) and Vega (Europe) launchers. This paper describes especially the contribution of Dassault Aviation for the Russian launcher which will enter in operation in the next months from the Guyana space center