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Common DMS Technology For European In-Orbit Infrastructure

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TITLE : COMMON DMS TECHNOLOGY FOR EUROPEAN IN-ORBIT INFRASTRUCTURE

Presented by : P. JOURDAN, Manager of Space Transportation and Manned Systems Programs, MATRA.

ABSTRACT

Europe is involved in 3 major space programs, ARIANE 5-COLUMBUS-HERMES, which will achieve operational use in the second half of years 90.

These new programs are requiring considerable technology investments and it is necessary to optimize them in view of available European funds. Data Management System (DMS) and associated technologies are one of the key areas of optimization.

The presentation will intend to show how we are approaching this problem with regard to DMS. The main topics will be :

- European industrial organization approach
- Technical interrelations between the programs and DMS architecture approaches
- Key technologies concerned and technology support programme
- Components : microprocessors.
- Software : high level language, software engineering...