

SPACE COMMAND : MANAGE SPACE OPERATIONS IN THE NEW SPACE AGE

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Abstract:

US Space Command and the Nato Space Center in France incoming demonstrate the will to create a new way to consider Space operations as military field to protect its own space assets, to observe and to support the human activity. Indeed, the ground observation from Space puts the set of assets on orbit as a tool to response at the workflow on Earth. Moreover, the private compagny invest to the Space with a shared capacity to the governemental agencies. This context modifies the Space perception of what would be the requirements to built a Space organization to monitor, manage the operations in the ground or in Space for a civilian or military purpose. The common point is the need to observe, then to interpret data for mapping its environnment and to provide business services for people. So, the Space Command principles describre how to observe, collect, interprete, act thanks to a set of data from the connected sensors between the ground and Space. To implemented them, each connected steps is a sensor of what Spacehuman want to identify from the space assets position, the electromagnetic and quantum spectrum, the matter networks named by the matter information theory, the acknowledge of Space meteorology. At last, to protect the set of these manoeuvres, a Space command requires the counter-measures to maintain the operations in harsh context.