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Orbit Determination and Conversion Processes at the Space Debris Office

The Space Debris Office of the European Space Agency has many years of experience in orbit determination in an operational environment, for uncooperative targets based on optical and radar measurements. It also has the capability to convert between many orbit state and ephemeris formats of cooperating partners. A recent addition is the support of the CPF format. This paper shall give a technical overview of these new and established processes with a focus on the interface to the laser ranging community.