

## ***Introduction***

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Official figures show that in terms of mass alone, the harness can account for up to 10% of the total dry mass of a spacecraft, regardless of the spacecraft type or mission. Consequently, the spacecraft launch cost is increased as proportional to weight. Moreover, the harness is also consuming an important manpower budget for its development, its manufacturing and its verification. This situation tends to worsen considering the trends of units to be more intelligent and with more sensor/actuators components. The objective of this annual harness Reduction session is to update the avionics stakeholders with the progress done over the subject and to discuss further possible techniques and development programs.