Mission Requirements

Index	Domain	Description
M-0010	General	The satellite will be launched in a LEO orbit corresponding to both its purpose and the international regulations.
M-0020	General	The satellite must not contain entry resistant materials or completely detachable sections or appendages.
M-0030	General	To comply with ESA's zero debris approach the satellite must reenter in less than 5 years.
M-0040	General	The satellite must be able to control its attitude in case of payload acquisition requirements as well as high temperatures.
M-0100	Structural	The satellite must abide to both its class' available standard, as well as the regulations imposed by the deployer entity.
M-0110	Structural	The satellite must have all its deployable elements safely stowed during transport, storage and launch.
M-0120	Structural	The satellite must be capable of of starting and using all its systems and appendices in a controlled manner.
M-0210	Electronic	The satellite must keep its power source disconnected from all its subsystems during transport, storage and launch.
M-0220	Electronic	The satellite must be capable of satisfactory harvesting all the necessary power during its entire lifespan.
M-0230	Electronic	The satellite must regulate all its power and data lines, providing protection against potential electrical hazards.
M-0300	Computational	The satellite must maintain complete control of its circuitry, data processes, communications, payloads and physical interfaces at all times.

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M-0310	Computational	The satellite must be able to store both the information obtained from payloads as well as telemetry: location, date, battery level, temperature, current and voltage in key nodes.
M-0400	Communications	The satellite must be able to communicate and receive telecommands from both the ground station and other satellites.
M-0410	Communications	The satellite must be able to maintain a satisfactory link budget and to allow control of the satellite by way of telecommands.
M-0420	Communications	The satellite must be able to transmit and receive without an attitude requirement.

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