System Operation of the MSC

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The MSC (Multi-Spectral Camera) is the payload of KOMPSAT-2, which is being jointly developed by KARI (Korea Aerospace Research Institute) and an Israeli company, EL-OP. The design of the MSC has been completed and its operation concept has been established. There are five operation methods, normal operation, operation using immediate commands, LEOP (Launch and Early Operation), antenna operation, and abnormal operation. On the other hand, operation can be divided into six modes, power off, survival, initialization, standby, mission execution, and shut down modes. According to the states and mission operation of the MSC, transitions between modes are occurred. There are three missions, first of which contains imaging, playback, and OBC (On-Board Computer) data process. The second mission contains calibration, initial BIT (Built-In Test), outgassing, and service mission. The last mission is the LEOP. The operation concepts and detailed missions will be presented.