

Purpose of the Small Satellite Handbook

The purpose of the Small Satellite Handbook is as follows:

- to extend international cooperation among all ITU Member States, entities and organizations for the development and rational use of small satellites;
- to promote the adoption of small satellite technologies on a worldwide basis while striving to meet in a rational, equitable, effective, efficient, economic, and timely way of use of radio-frequency spectrum and satellite-orbit resources;
- to provide a detailed guidance on the regulatory environment and procedures, specifically the application of the Radio Regulations, for administrations, small satellite operators and service providers in the study/research, design, launch and application of small satellites;
- to promote and to offer technical assistance to developing countries, enterprises and individuals in the field of small satellite utilization;
- to help administration/new entrants with information on the relevant space services with allocated radio-frequency spectrum, types of small satellites, characteristics of space and Earth segments, types of missions, space object registration, launch considerations, as well as space debris mitigation;
- to raise international awareness on current practices and applications with key drivers, restraints, challenges, and opportunities;
- to ensure interference-free operations of small satellite systems by implementing the Radio Regulations and regional agreements, as well as updating the system in an efficient and timely manner through the processes of world and regional information sharing and cooperation;
- to provide a reference tool for satellite operators and service providers interested in operating or utilizing such satellites, as well as national regulators to manage the small satellite applications.