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Benefits of Using Space

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Space activities make our everyday needs and conveniences possible.

Outer space is not only for rockets and astronauts. Most of us use and benefit from space everyday, and can do so because of the many satellites circling our planet.

The three fundamental ways satellites help us on Earth are:

- **NAVIGATION AND TIMING:** satellites provide very accurate location information, like GPS and GLONASS. They also enable extremely precise timing for activities such as urban planning, machine automation, logistical operations and financial transactions.
- **EARTH OBSERVATION:** satellites which take photos of the Earth from space significantly improve our ability to manage the environment, prevent disasters, speculate on resource and crop yields, predict the weather and monitor movement of people and equipment.
- **COMMUNICATIONS:** satellites allow us to connect reliably to one another by sending and receiving signals carrying large amounts of information around Earth. This enables broadband internet and television but also provides incredible advantages in emergency management, healthcare, remote communications and gives us instant access to our colleagues and loved ones.

When we apply satellite capabilities to our lives on Earth, we significantly increase our standards of living and maintain greater control of our everyday decisions.

IALPG is an Australian-based global law firm providing solutions for aviation and space-related challenges. Part of IALPG's mission is to see that outer space is used responsibly and that the policy and law facilitates the benefits to society derived from space capabilities.

Affiliations of IALPG's personnel include the International Institute of Space Law, the European Centre for Space Law, the International Civil Aviation Organization, the Space Industry Association of Australia, the International Astronautical Federation as well as universities in Australia, Europe and the Americas.

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