



General Assembly

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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies

Note verbale dated 27 January 2025 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna), in furtherance of the Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies (General Assembly resolution [2222 \(XXI\)](#), annex), opened for signature on 27 January 1967, has the honour to transmit information regarding activities carried out in outer space (see annex).

The United States recognizes the rapidly growing global interest in robotic and human exploration of space beyond low Earth orbit. In this context, the United States underscores the importance of compliance with the Outer Space Treaty, as well as the benefits of coordination via multilateral forums, such as the United Nations Committee on the Peaceful Uses of Outer Space.

In particular, the United States notes the importance of article XI of the Outer Space Treaty, in which States Parties agree to inform the Secretary-General of the United Nations, to the greatest extent feasible and practicable, of the nature, conduct, locations and results of their activities in outer space, including the Moon and other celestial bodies. The United States has a long-standing practice of sharing the results of our civil space exploration activities for the benefit of all. It is the hope of the United States that such implementation of article XI by all States parties conducting activities in outer space contributes to safe and sustainable space exploration.

Consistent with discussions among signatories of the Artemis Accords on the Principles for Cooperation in the Civil Exploration and Use of the Moon, Mars, Comets, and Asteroids for Peaceful Purposes and its obligations under the Outer Space Treaty, the United States provides the annexed information regarding the upcoming launch to the Moon of United States scientific payloads which will be carried on commercial spacecraft under the National Aeronautics and Space Administration's Commercial Lunar Payload Services project. The annex details basic data parameters related to the United States scientific payloads on the missions Firefly Aerospace Blue Ghost Mission 1 and Intuitive Machines Nova-C IM-2.



Annex

Information regarding activities carried out in outer space *

Firefly Aerospace Blue Ghost Mission 1

Mission	Firefly Aerospace Blue Ghost Mission 1
Reporting State	United States of America
General nature of activities	Commercial mission with a wide variety of objectives, including delivery of National Aeronautics and Space Administration (NASA) payloads under the Commercial Lunar Payload Services programme. Science objectives of the NASA payloads include the study of geophysics in the Mare Crisium region (heat flow measurements, electrical and magnetic properties of the lunar crust, X-ray observations of the heliosphere, regolith characteristics and plume-surface interactions) and new technology demonstrations
Launch date	15 January 2025
Landing date	Early March 2025
Duration of activities	Payloads operational for a complete lunar day (about 14 Earth days). Following payload operations, Blue Ghost will capture imagery of the lunar sunset and provide critical data on how lunar regolith reacts to solar influences during lunar dusk conditions. The lander will then operate for several hours into the lunar night
Landing location(s)	Mare Crisium, near Mons Latreille
Anticipated landing accuracy (metres/kilometres)	4-metre (13-foot) landing precision without using global navigation satellite systems
Spacecraft mass at landing	490 kilograms dry mass
Item(s) being deployed	NASA and commercial science and technology payloads (payload details are available on the websites given below)
Location(s) of activity/activities, if different from landing location(s)	Refer to commercial provider
Information related to scientific aspects or special considerations of activities	Information on NASA science payload activities may be found at www.science.nasa.gov/lunar-science/clps-deliveries/to19d-firefly/
Plans for end of mission disposal	Lander to remain at landing site
Website for mission details	Commercial provider: www.fireflyspace.com/missions/blue-ghost-mission-1/

* The information is reproduced in the form in which it was received.

Intuitive Machines Nova-C IM-2

Mission	Intuitive Machines Nova-C IM-2
Reporting State	United States of America
General nature of activities	Commercial mission with NASA technology demonstration objectives, including drilling into the subsurface (approximately 1 metre deep) and using mass spectrometry to determine the composition of the lunar regolith. Additionally, two NASA Space Technology Mission Directorate Tipping Point technologies will be delivered to the surface to demonstrate hopper technologies and 4G Wi-Fi
Launch date	First quarter of 2025
Landing date	First quarter of 2025
Duration of activities	Planned approximately 200 hours of operations after landing
Landing location(s)	Mons Mouton
Anticipated landing accuracy (metres/kilometres)	Refer to commercial provider
Spacecraft mass at landing	Refer to commercial provider
Item(s) being deployed	NASA and commercial science and technology payloads (payload details are available on the website given below)
Location(s) of activity/activities, if different from landing location(s)	Refer to commercial provider
Information related to scientific aspects or special considerations of activities	Information on NASA science payload activities may be found at www.science.nasa.gov/lunar-science/clps-deliveries/prime-1-im/ Refer to commercial provider for commercial payload activities
Plans for end of mission disposal	Lander to remain at landing site
Website for mission details	Commercial provider: www.intuitivemachines.com/missions