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Notice regarding Mission 2 Milestones from Launch to Lunar Landing

ispace inc. (“ispace”) hereby announces that it has set the milestones for Mission 2 “SMBC x HAKUTO-R VENTURE MOON”. ispace also announces that Mission 2 is set to launch during a six-day window that opens no earlier than mid-January 2025.

1. Mission 2 Milestones

As done in advance of Mission 1, ispace released a transparent set of criteria known as Mission 2 Milestones between launch and landing and aims to achieve the success criteria established for each of these milestones.

Mission 2 Milestones
 We have set 10 milestones, which we aim to achieve during Mission 2. Each milestone has separate success criteria.

Success 1 [L+2-3 days]
Completion of Launch Preparations

- Complete all development processes of the RESILIENCE lunar lander before flight operations
- Contract and prepare launch vehicle, and complete integration of lunar lander into the launch vehicle
- Prove ability to flexibly manufacture and assemble landers in various geographic locations of the world

Success 2 [L+1 hour]
Completion of Launch and Deployment

- Complete successful separation of the lunar lander from the launch vehicle
- Reaffirm that ispace's lander design and structure is capable of withstanding the harsh conditions during launch on its second mission, offering valuable information towards future development and missions

Success 3 [Several hours]
Establishment of a Steady Operation State

- Establish communication link between the lander and Mission Control Center, confirm a stable attitude, as well as start stable generation of electrical power in orbit

Success 4 [L+1-2 days]
Completion of first Orbital Control Maneuver

- Complete the first orbital control maneuver, setting the lander on a course towards the Moon

Success 5 [L+1 month]
Completion of Lunar Flyby

- Complete a lunar flyby approximately one month after launch
- Begin Deep Space Flight operations

Success 6 [L+3-3.5 months]
Completion of all Deep-Space Orbital Control Maneuvers before LOI

- Complete all planned deep space orbital control maneuvers by utilizing gravity assist effects and successfully target the first lunar orbit insertion maneuver
- Reaffirm the deep-space survivability of ispace's lander designs, as well as the viability of ispace's orbital planning

Success 7 [L+4 months]
Enter Lunar Orbit

- Complete the first lunar orbit insertion maneuver and confirm the lander is in a lunar orbit
- Reaffirm the ability of ispace to deliver spacecraft and payloads into stable lunar orbits

Success 8 [L+4.5 months]
Completion of all Orbital Control Maneuvers in Lunar Orbit

- Complete all planned lunar orbital control maneuvers before the landing sequence
- Confirm the lander is ready to start the landing sequence

Success 9 [L+4.5 months]
Completion of Lunar Landing Sequence

- Complete the landing sequence, verifying key landing abilities for future missions

Success 10 [L+4.5 months]
Establish Steady System State after Landing

- Establish a steady telecommunication and power supply for the lander on the lunar surface after landing

HAKUTO-R

*Timeline and contents subject to change.

Milestone		Expected completion date	Success Criteria
Success 1	Completion of Launch Preparations	Launch - 2-3 days	<ul style="list-style-type: none"> • Complete all development processes of the RESILIENCE lunar lander before flight operations • Contract and prepare launch vehicle, and complete integration of lunar lander into the launch vehicle • Prove ability to flexibly manufacture and assemble landers in various geographic locations of the world
Success 2	Completion of Launch and Deployment	Launch + 1 hour	<ul style="list-style-type: none"> • Complete successful separation of the lunar lander from the launch vehicle • Reaffirm that ispace's lander design and structure is capable of withstanding the harsh conditions during launch on its second mission, offering valuable information towards future development and missions
Success 3	Establishment of Steady Operation State	Launch + several hours	<ul style="list-style-type: none"> • Establish communication link between the lander and Mission Control Center, confirm a stable attitude as well as start stable generation of electrical power in orbit
Success 4	Completion of first Orbital Control Maneuver	Launch + 1-2 days	<ul style="list-style-type: none"> • Complete the first orbit control maneuver, setting the lander on a course towards the Moon
Success 5	Completion of Lunar Flyby	Launch + 1 month	<ul style="list-style-type: none"> • Complete a lunar flyby approximately one month after launch • Begin Deep Space Flight operations
Success 6	Completion of all Deep-Space Orbital Control Maneuvers before LOI (Note 1)	Launch + 3-3.5 months	<ul style="list-style-type: none"> • Complete all planned deep space orbit control maneuvers by utilizing gravity assist effects and successfully target the first lunar orbit insertion maneuver • Reaffirm the deep-space survivability of ispace's lander designs, as well as the viability of ispace's lunar planning
Success 7	Enter Lunar Orbit	Launch + 4 months	<ul style="list-style-type: none"> • Complete the first lunar orbit insertion maneuver and confirm the lander is in a lunar orbit • Reaffirm the ability of ispace to deliver spacecraft and payloads into stable lunar orbits
Success 8	Completion of all Orbital Control Maneuvers in lunar orbit	Launch + 4.5 months	<ul style="list-style-type: none"> • Complete all planned lunar orbital control maneuvers before the landing sequence • Confirm the lander is ready to start the landing sequence
Success 9	Completion of Lunar Landing Sequence	Launch + 4.5 months	<ul style="list-style-type: none"> • Complete the landing sequence, verifying key landing abilities for future missions
Success 10	Establish Steady System State after Landing	Launch + 4.5 months	<ul style="list-style-type: none"> • Establish a steady telecommunication and power supply for the lander on the lunar surface after landing

(Note 1) LOI: Lunar Orbital Insertion

In Mission 1, our first attempt to land on the Moon, we achieved eight of ten milestones and successfully demonstrated the lander’s hardware performance through its structural design and orbital control maneuvers, etc. Lessons learned from Mission 1 and improvements were incorporated into Mission 2, and now we will aim to achieve all ten milestones this time.

The Success 5 in Mission 2 Milestones, “Completion of Lunar Flyby”, will be our first time to attempt to complete.

As for the mission progress, we will promptly disclose a completion of each milestone on timely disclosure and our website as soon as we confirm the completion.

1. Launch Date

Mission 2 is set to launch during a six-day window that opens no earlier than mid-January 2025.

Since a rocket launch may be postponed due to the weather and other factors, a rocket provider sets a so-called “launch window” to launch rockets during that time period.

In our case, the RESILIENCE lander will launch to the Moon on a Falcon 9 rocket operated by Space Exploration Technologies Corp. (hereafter “SpaceX”) along with the Firefly Blue Ghost Mission 1. ispace is unable to disclose its specific launch window and launch date and time until we receive final confirmation from the launch provider, SpaceX, and Firefly Aerospace. It is common to receive the final confirmation just before the launch since the date and time will be finalized when all conditions, including the weather, are in place.

With that being said, if there are any updates on the launch window and final launch date and time in upcoming weeks, we will promptly inform through our website's news page* and/or our official social media accounts**.

* <https://ispace-inc.com/news-en>

**X: https://x.com/ispace_inc.

LinkedIn: <https://www.linkedin.com/company/ispace-inc/>

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2. Outlook

It is expected that there is no impact of these announcements on our forecast of consolidated financial results for the fiscal year ending March 31, 2025.