

**Secretariat**

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## **Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space**

### **Note verbale dated 22 March 2022 from the Permanent Mission of Belgium to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of Belgium to the United Nations (Vienna) has the honour to transmit herewith, in application of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution [3235 \(XXIX\)](#), annex), in particular article IV, paragraph 3, of that Convention, and of General Assembly resolution [62/101](#) of 17 December 2007, entitled “Recommendations on enhancing the practice of States and international intergovernmental organizations in registering space objects”, data relating to the re-entry and complete break-up of the QARMAN object, the registration of which as 2019-B-SC-033 in the Belgian national registry of space objects was notified to the Secretariat on 26 February 2020 on the basis of the aforementioned provisions (see annex).<sup>1</sup>

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<sup>1</sup> The data on the space object referenced in the annex were entered into the Register of Objects Launched into Outer Space on 13 April 2022.



## Annex

### **Additional information on a space object previously registered by Belgium<sup>\*</sup>**

#### **QARMAN**

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Name of the space object	QARMAN
National designator/registration number	2019-B-SC-033
State of registry	Belgium
Registration document	ST/SG/SER.E/930
Other launching States	United States of America
Date and territory or location of the launch and deployment	
Launch	4 December 2019 at 1729 hours UTC; Cape Canaveral, United States
Deployment	19 February 2020 at 1120 hours UTC; deployed from the International Space Station
Basic orbital parameters	
Nodal period	92.68 minutes
Inclination	51.64 degrees
Apogee	410 kilometres
Perigee	408 kilometres
General function of the space object	Study of the use of CubeSats as atmospheric re-entry vehicles
Date of decay/re-entry/deorbit	5 February 2022 at 1441 hours UTC

##### **Additional voluntary information for use in the Register of Objects Launched into Outer Space**

Space object owner or operator	Von Karman Institute for Fluid Dynamics
Launch vehicle	SpaceX Falcon 9

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<sup>\*</sup> The information was submitted using the form prepared pursuant to General Assembly resolution [62/101](#) and has been reformatted by the Secretariat.