RULES

A.R.S. 1st PLANETARY MISSION

RADIODISSEA IN SPACE

A spacecraft authorised by **A.R.S.** is sailing through interplanetary space.

On board is a radio amateur-explorer, known as a "*radio-astronaut*", entrusted with a special mission: to cross the Solar System symbolically, landing on every planet to pick up radio signals and to collect propagation reports and operating accounts coming from Earth and from the farthest reaches of the universe.

On every **planet/level** visited, a **special QSL** awaits, tangible proof of the contact made and a lasting memento of this cosmic adventure between science, exploration and the passion for amateur radio.

Every radio contact provides operating energy for the spacecraft and lets you accumulate **mission kilometres**, calculated from the geographical distance between the stations in contact, using the formula given under "Scoring". The kilometres obtained in this way simulate the journey through space needed to cover the distances between one planet and the next and to reach the various milestones of the mission.

During the journey, the radio-astronaut may meet different types of spacecraft, corresponding to the different categories of A.R.S. stations, which award **bonus** kilometres according to the operating rules.

Purpose of the activity

The aim is to work as many radio amateurs as possible starting from **1 December 2026** (there is no end date), adding up the kilometres calculated on the actual distances of the contacts made (see "Scoring") and the bonus kilometres earned by working A.R.S. Clubs, A.R.S. Members and the national callsign IQ2GSF.

The kilometres accumulated are equivalent to points: their total allows you to reach several symbolic milestones, each of which entitles you to the corresponding **special QSL**.

Level	Planet / Stage	Mission distance	Actual distance
Lv. 1	Moon	**384,400 km**	actual distance
Lv. 2	Venus	**410,000 km**	≈ 41 million km
Lv. 3	Mars	**780,000 km**	≈ 78 million km
Lv. 4	Mercury	**910,000 km**	≈ 92 million km
Lv. 5	Vesta (asteroid)	**2,000,000 km**	≈ 204 million km
Lv. 6	Asteroid Belt	**3,500,000 km**	≈ 344 million km (outer edge)
Lv. 7	Jupiter	**6,280,000 km**	≈ 629 million km
Lv. 8	Saturn	**12,700,000 km**	≈ 1,277 million km
Lv. 9	Uranus	**27,200,000 km**	≈ 2,721 million km
Lv. 10	Neptune	**43,500,000 km**	≈ 4,349 million km

The Moon is shown at its actual distance; from Venus onwards the scale is 1:100 of the mean minimum distance from Earth.

Example

Station IU5MOT makes 20 contacts with A.R.S. Club Stations (Starships), earning a bonus of 10,000 km for each, to be added to the kilometres calculated on the distances between the stations worked.

On top of this come 3 contacts with the A.R.S. national callsign IQ2GSF (Mothership), which awards a bonus of 50,000 km per contact, in addition to the kilometres calculated on the distance from the Mothership.

In addition, as many as 150 contacts are made with A.R.S. Members (Radio-astronauts), each contributing a bonus of 1,000 km, again added to the kilometres calculated on the respective distances between the stations.

Counting the bonus kilometres alone, a partial total of **500,000 km** is already reached, a distance which on its own symbolically takes you past the Moon and all the way to the planet Venus.

The kilometres calculated on the distances of the contacts are then added to this, taking you even further out into space!

Type of activity

This is not a contest but an **award**: a get-together event, intended to encourage participation, fun, sharing and club spirit.

The activity has no fixed time slots and no obligation of continuous presence.

Contacts with both domestic and foreign stations are encouraged, with the aim of promoting amateur radio culture and strengthening cooperation between operators all over the world.

There is no closing date, so you can start the award at any time.

Activator stations and bonuses

During the mission, the radio-astronaut may meet different types of spacecraft, corresponding to the participating A.R.S. Clubs and to the national callsign:

Station	Spacecraft	Bonus per contact
A.R.S. Member	Radio-astronaut	**1,000 km**
A.R.S. Club Station	Starship	**10,000 km**
A.R.S. National Callsign IQ2GSF	Mothership	**50,000 km**

Scoring

Valid on all permitted bands (see “Operating rules”) and in all modes (Phone, CW, Digital):

Points = (QRB (km) / 10) × Multiplier + A.R.S. station bonus

The A.R.S. station bonus is always added to the score.

Multipliers by type of contact

Type of contact	Multiplier
Own country	**1**
Different country, same continent	**2**
Country on a different continent	**3**

QRB: actual distance between the two stations, in kilometres.

Worked example

1. QSO Italy – France, QRB 1,000 km, ordinary station (not A.R.S.):
   Points = 1,000 / 10 × 2 = 200
2. QSO Italy – USA, QRB 7,500 km, with an A.R.S. Club station:
   Points = 7,500 / 10 × 3 + 10,000 (bonus) = 12,250

Adding up all QSOs gives the total mission kilometres (points count as kilometres), which let you advance symbolically from planet to planet in the A.R.S. Planetary Mission.

Participation awards

Participating **A.R.S. Clubs** will receive **special QSLs** dedicated to Radiodissea in Space, as a memento of the event and a distinctive sign of their participation in the mission.

The **first A.R.S. Club** to log **5,000 QSOs** as part of the initiative will receive a special prize. The recognition nevertheless remains valid for every Club that reaches 5,000 contacts: each will be presented with a **plaque of merit**, in recognition of its participation and of the commitment shown in the mission.

Participants who reach the mission milestones will be sent the special QSL for each level reached.

QSLs will be sent **exclusively in digital format by email**.

Anyone who wishes may also request, **for a fee**, the **physical plaque** for each milestone achieved. How to request it and its cost will be announced by the A.R.S. secretariat.

The email address must be available on QRZ.com or sent directly by the participant to the A.R.S. secretariat at: **radiodissea@arsitalia.it**

Rankings

Separate rankings will be drawn up by mode – Phone, CW and digital modes – as well as a mixed ranking covering all contacts made, regardless of the mode used.

Operating rules

- **Start:** 1 December 2026. Only QSOs made from that date onwards will be valid, on any subsequent day, month or year.
- **Duration:** no end date; as stated above, you can start at any time.
- **Bands:** the permitted bands are those allocated by the *ITU Radio Regulations* and adopted in the respective national regulations.
- **Modes:** Phone, CW and digital modes.
- **Calling:** on phone, the call for A.R.S. Clubs is **“CQ ARS”** or **“CQ Radiodissea ARS”**. On CW and digital modes, the call is **“CQ ARS”**.
- **Repeat contacts:** this rule applies to **all QSOs**, with any station and not only with A.R.S. stations. The same station may be worked several times on the same day, but on different bands or modes; on different days it may be worked again even on the same band and mode. Duplicate contacts (dupes) will not be counted.
- **Special callsigns:** logs submitted by special event callsigns will not be accepted.
- **Log submission:** send the **ADIF** file of your contacts to **radiodissea@arsitalia.it** when you believe or know you have reached one or more milestones.
- **Log checking:** submitted logs will be checked by cross-referencing the various sources available, in particular online logbooks (LoTW, eQSL, Club Log, QRZ.com and the like).

- **Please note:** the kilometre score is cumulative. The target kilometres required for each level/planet are always counted from Earth to that specific milestone, not as the relative distance between one planet and the next.

Conclusion

The A.R.S. Planetary Mission is meant to be a symbolic journey through radio space, an opportunity to feel united, share the passion for radio and live a unique experience together.

Get ready to travel among the stars… and to listen to what the universe has to say.

May the propagation be with you.

Declaration

By submitting a log for Radiodissea, the participant unconditionally and irrevocably agrees that they have read and understood the Radiodissea rules and agree to be bound by them; that all operations were conducted in accordance with the amateur radio laws and regulations applicable at the station's location; that the submitted logged scores may be made available to the public; that, to ensure fairness and compliance with the rules, the participant agrees to provide relevant information about the station upon request by A.R.S. for Radiodissea, which may include descriptions and photographs of equipment, antennas, amplifiers, switching systems, interlocks and related station components; and that all decisions of A.R.S. for Radiodissea, including any disqualification, are final and not subject to appeal. A.R.S. shall have sole discretion in making such decisions and shall have no obligation to disclose, explain or substantiate the basis of any decision or disqualification.

Participants who are unwilling or unable to accept these conditions must not submit their log.