



# NEWSLETTER-AMSAT-EA

09/2019  
SEPTEMBER

[contacto@amsat-ea.org](mailto:contacto@amsat-ea.org)

[eb1ao@amsat-ea.org](mailto:eb1ao@amsat-ea.org)

Translation by Fernando EC1AME

## Diplomas and trophies AM1SAT 2019 edition

AMSAT-EA will be on the air on all available satellites with the AM1SAT callsign from September 9 to 15 to celebrate IberRadio 2019 - V Communications Fair, the biggest event in the world of amateur radio in Spain and Portugal (<http://www.iberradio.es>), and that will open its doors during the weekend of 14-15. AM1SAT operators will activate the callsign from a minimum of 14 different locations during that period of time, in order to facilitate the maximum number of EA grids via satellite.



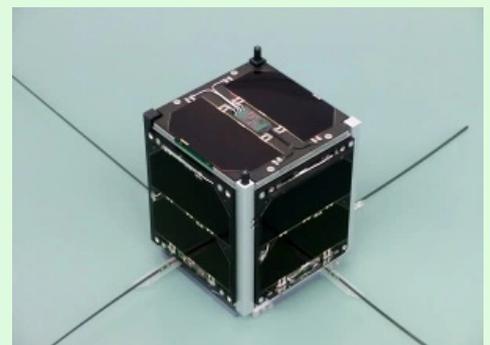
As part of this activity and to encourage your participation, AMSAT-EA organizes the AM1SAT diploma in its SILVER and GOLD versions. On this occasion, two trophies will also be awarded, the winners will receive them. To win one you have to be the best grid hunter and the best hunter of satellites

## NEXT FUNCUBE

In November, FUNcube-1 CubeSat will turn 6 in orbit and the FUNcube team is now asking for suggestions for the next satellite.

The team is looking for suggestions for:

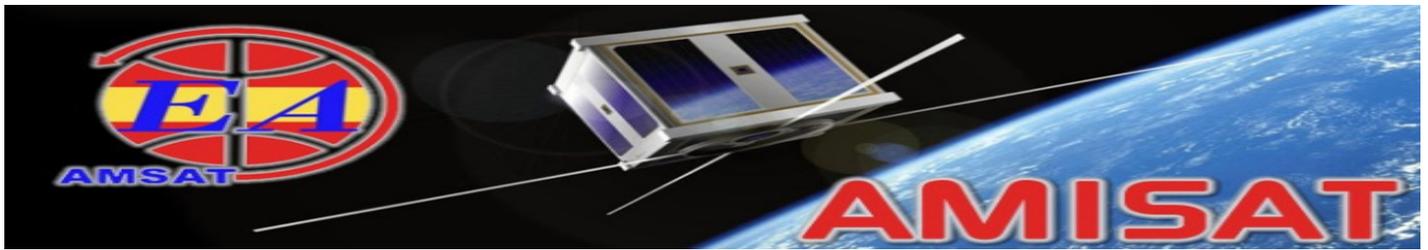
- Satellite conformation (2U / 3U)
- Orbit (LEO / MEO)
- STEM scope
- Payload of amateur radio
- Research payload



You can send your ideas to this email [funcube-next@funcube.org.uk](mailto:funcube-next@funcube.org.uk)

The topic will be discussed during the AMSAT-UK Colloquium on Sunday, October 13, 2019 <https://amsatuk.org/colloquium/>

If you want to join the team, send an email to: [operations@funcube.org.uk](mailto:operations@funcube.org.uk)



AMSAT-EA will be transmitting its special call AM1SAT via all active satellites from September 9th to September 15th as part of the V RadioHam Fair IberRadio 2019 activities. IberRadio is the biggest event for the ham community in SouthWest Europe and will open doors September 14th and 15th . Learn more about IberRadio at <http://www.iberradio.es>. AM1SAT callsign will be active from a minimum of 14 different grids during that time to help satellite operators to collect as much EA locators as possible.

As part of this activity and in order to promote the participation, AMSAT-EA is sponsoring the AM1SAT Special Award in two categories: SILVER and GOLD.

### **AWARD RULES**

- 1.- This award can be requested and issued to any licensed amateur station and also SWLs
- 2.- Will be valid contacts all those done via AMSAT satellites from September 9th 2019 to September 15th 2019 (UTC time) in all transmission modes.
- 3.- There are two different requirements to get the awards, depending of the applicant location.

#### **Applicant in a EU entity or EA8 and EA9.**

To get the award in its SILVER category, the applicant has to contact AM1SAT in 5 different grids (We consider "grid" as a 4-digits main locator. For example IN71, IM68, JN00, etc). To get the award in its GOLD category the applicant has to contact AM1SAT in 10 different grids.

#### **Applicant in a NON EU entity, except EA8 and EA9.**

To get the award in its SILVER category, the applicant has to contact AM1SAT in 2 different grids (We consider "grid" as a 4-digits main locator. For example IN71, IM68, JN00, etc). To get the award in its GOLD category the applicant has to contact AM1SAT in 4 different grids.

4.- There is no need of paper QSLs nor EQSLs to ask for the award. When the applicant get the requirements, he has to send via email a log with the QSOs, listing his callsign, name, and QSO data (Date, UTC time, frecuencies, mode, received grid and used satellite). Also we need the applicant email to send the award. The awards will be send, latest in 2 months and only in PDF format, free of charge.

5.- Logs and any question about this activity must be send to [eb1ao@amsat-ea.org](mailto:eb1ao@amsat-ea.org) .

6.- Logs must be received by October 1st 2019. We will consider the AM1SAT operators logs as the valid ones to check and cross the QSOs. Disputes or open issues will be solved by AMSAT-EA committee.

7.- Trophies. AMSAT-EA is sponsoring two different trophies for this event:

- Grid Chaser Trophée for the operator getting more EA grids from AM1SAT stations during the event. In case of two or more operators getting the same number of grids, the trophée will go to the one needing less time to achieve the number.
- Satellite Chaser Trophée for the operator making QSOs with AM1SAT stations through more different satellites. If a satellite has more than one mode or band (Like AO-7, AO-92 or QO-100), it will always count as one single satellite even if you work it in different modes/bands. In case of two or more operators getting the same number of worked satellites, the trophée will go to the one needing less time to achieve the number.

Looking for a gentle trophée distribution we want to avoid both prizes going to the same operator. If this happens, the Satellite Chaser Trophée will be given to the station getting the second higher number of worked satellites.

AMSAT-EA will send these trophies free of charge to the operators who get them.

## NEXT ACTIVITIES

**N7MJ**, Jack is roving through 11 American states - WY, NE, IA, IL, KY, TN, AR, OK, TX, NM, AZ, August 25 - September 9, 2019. Only on FM satellites.

**VE3FU**, Chris will be at GN27 from August 26 to 30 and will try to make a trip to GN26, possibly on the GN26 / 27 line. He will be at GN37 (again) from August 30 to September 7. Chris will be operating as VO2AC / 1 and will try to announce the operating times on Twitter as soon as possible: <https://twitter.com/ChrisVE3FU>.

**KD8RTT**, Tony will be in Peru from Saturday, August 31 until Saturday, September 7. FM passes, mainly AO-91 and AO-92, if the holiday schedule allows. Tony is not exactly sure what days / hours he can still operate, but he will try to tweet before getting any pass: <https://twitter.com/kd8rtt>

**AMSAT-EA** will broadcast its special AM1SAT call through all active satellites from September 9 to 15 as part of the activities of the V RadioHam Fair IberRadio 2019. IberRadio is the largest event for the ham community in southwestern Europe and will open doors on September 14 and 15. Get more information about IberRadio at <http://www.iberradio.es>.



Philippe as 6Y4NF



Gabe, AL6D from Icy Bay



Pedro, CU2ZG



Jerome as CT7/F4DXV

## AMSAT-EA



From AMSAT-EA we want to promote among the community of hispanic amateur radio speakers spreading all knowledge about our hobby through the internet. Therefore we remind you that our association has a forum where any person can participate without needing to be a member. We encourage you to take advantage of this space to make your inquiries, start discussions, share your concerns or help other hobby partners transmitting your wisdom. We leave you the access address to the forum: <http://foro.amsat-ea.org>

## **Extension of the general authorization band 2.4 Ghz for QO-100**

Based on a request from the URE itself, together with AMSAT EA, the Secretary of State for Digital Advance decided to authorize, as of March 27, 2019 and until September 26, 2019, the holders of amateur radio authorizations, to transmit using the radio amateur satellite service in the range from 2,400,050 to 2,409,500 MHz for SSB phone communications, with a maximum eirp of 1500 watts, from authorized amateur radio stations located anywhere in the spanish territory.



Because this authorization specified only SSB, experimental uses with other modulations such as CW or digital modes, could not be used, disabling users in Spain to participate together with other European colleagues and the rest of the world in experiments and QSOs that use these modulations

For this reason, the administration has been asked to remove the reference to SSB from the resolution, replacing it with 'any legal modulation of the Radio Amateur Satellite Service' and asking that the resolution may be renewed for at least 6 more months, since it expires on September 26, 2019.

The issue of the linear broadband transponder has been left for further discussion with the administration.

## **Fossa-1 closer to launch**

The Fossa-1 satellite will be integrated into the payload of the Scottish company Alba Orbital this month, having obtained in the private sector the necessary financing for its tests and launch. This launch is expected by the end of the year or early next year.

Fossa-1 is a 5 cm-sided cube-shaped pico-satellite with drop-down panels and implements the LoRa protocol for the Internet of things. AMSAT EA has collaborated with the members of the Fossa team in its registration with the administration and the IARU and has closely followed its developments. We hope the launch is a success. We will inform you in the next newsletters.

## **EASAT-2 project presented in Glasgow (Scotland)**

The EASAT-2 Picosatellite project, which AMSAT EA develops together with students from the European University of Madrid and ICAI will be presented at the third PocketQube Workshop in the city of Glasgow in Scotland this weekend September 5-6. On this occasion it will be Oriol Cortés, one of the students of the EMU who will carry out the presentation of the project. EASAT-2 is expected to be launched into space by the end of 2020.



The full agenda of the Workshop (where Fossa-1 is also presented) can be consulted here: <http://www.albaorbital.com/3rd-pocketqube-workshop>