



# The IARU Region 3 Newsletter

## Issue 51– Q2 2019, Released July 2019

### Editor's Note

Thank you to all those who have contributed to this edition of the Region 3 Newsletter.

I would like to see more articles from Societies that may be of interest to other societies and regions. If a member society has an upcoming event please consider making a news item – the editor will assist you.

Contributions may be sent to me at the email address at the end of the Newsletter. Items appearing in newsletter may be used by societies freely to inform their members.

The deadline for the next edition is 30<sup>th</sup> September 2019.

73 Peter, VK3MV

### A Word from the Chairman

The new rules and design of the IARU Region 3 Award were published on May 1<sup>st</sup> 2019. We hope with these new rules and design the submission of the IARU Region 3 Award is increasing. The award submission fee is now also free of charge.

The new rules of the IARU Region 3 Award can be found at document number **R3-502** in <http://iaru-r3.org/standard-documents>

The Directors of IARU Region 3 already have three Skype Director's meeting to discuss the progress of the new IARU Region 3 website development, Band plan, YOTA, etc. and in the first week of September 2019 the Directors will meet in Tokyo for the Director's meeting to review progress on tasks previously identified.

Chairman of IARU Region 3 Directors and Secretary of IARU Region 3 Shizuo Endo JE1MUI will be attending the 5<sup>th</sup> APT Conference Preparatory Group (APG) meeting in Tokyo from July 31 to August 6. Ken Yamamoto JA1CJP, IARU Region 3 Director, will be attending as a member of Japanese administration. An information paper will be presented on behalf of IARU.

I hope there will be good participation from all over the world and especially from hams in Region 3 for the IARU HF Championship contest coming up shortly.

I once again request all societies to provide information on activities in their respective areas for use in the IARU Region 3 newsletter.

73 de Wisnu YB0AZ

### 2019 IARU HF World Championship Contest

The 2019 International Amateur Radio Union (IARU) High Frequency (HF) World Championship Contest takes place the second full weekend of July, beginning 1200 UTC Saturday and ending 1200 UTC Sunday (13-14 July 2019). Both Single and Multi operator stations may operate the entire 24-hour period.

All licensed amateurs worldwide are eligible to participate in this contest. The objective of this contest is to contact as many other amateurs as possible, especially IARU member society HQ stations, around the world using the 160, 80, 40, 20, 15 and 10 meter bands. Multipliers are the total number of ITU zones plus IARU member society HQ stations worked on each band (not mode). Thus, your Society's HQ stations participation is very important for the multipliers.

IARU officials represent a maximum of four multipliers per band (AC, R1, R2 and R3). Our two regional AC members have the option of using "AC" or our regional designator "R3". Regional EC members who are not AC members must use our designator "R3".

You can find the complete rules at; <http://www.arrl.org/iaru-hf-championship>. For full details take a look at the attached document.

Enjoy and good luck!

*Secretary, IARU Region 3*  
[secretary@iaru-r3.org](mailto:secretary@iaru-r3.org)

### 12th IARU Region 3 ARDF Championships Postponed

The 12th IARU Region 3 Amateur Radio Direction Finding (ARDF) Championships was to be held in China on 21<sup>st</sup> Sept to 26<sup>th</sup> Sept 2019. Advice has been received from The Chinese Radio Amateurs Club (CRAC) that due to administrative difficulties they are unable to host this event.

The R3 Director's accept, with regret, CRAC reasons and determined that due to the time constraints that would have been imposed on competitors, support personnel and officials the event has to be cancelled.

*IARU R3 Directors*

### ACMA proposed changes to licence conditions

The Australian Communications and Media Authority (ACMA) announced on 27<sup>th</sup> June, that it will conduct a review of licence conditions that apply to amateur radio operators with Foundation, Standard and Advanced level qualifications.

The amateur service is a longstanding user of the radiofrequency spectrum, with a range of bands made available for qualified amateurs. It is designed primarily to facilitate hobby radiocommunications and technical experimentation.

The ACMA supports the amateur service through planning arrangements which recognise the desires of amateur radio

operators to access frequency bands, while balancing other demands for spectrum.

In the Draft five-year spectrum outlook 2019–23 (draft FYSO), the ACMA indicated it would commence consultation on potential changes to amateur licensing conditions in Q4 2018–19.

The ACMA is also taking the opportunity during this process to consult on our proposals to remove amateur advanced licensees' access to the 3575–3600 MHz band within areas reallocated for spectrum licensing. The purpose of these changes is to prevent cancellation of advanced amateur licences that would otherwise occur as a result of the reallocation of the 3575–3700 MHz band (the 3.6 GHz band) to spectrum licensees.

This paper sets out our proposals for public consideration. We are seeking stakeholder views on the following:

- the removal of amateur advanced licensees' access to the 3575–3600 MHz band within specified areas
- changes that progress various requests of the amateur community, that will account for technological changes, reduce restrictions and increase flexibility for licensees
- changes that respond to requests by the amateur community for the medium term, that will increase flexibility for licensees
- additional proposals for change that we have identified for the medium term to longer term aimed at reducing the overall regulatory burden of amateur licensing arrangements.

The WIA will be making submissions to this review.

*WIA/IARU R3*

### **Amateur radio satellites launch on SpaceX STP-2 mission**

A number of Amateur radio satellites were on Tuesday, June 25, 2019 on a SpaceX Falcon Heavy STP-2 from LC-39A, Kennedy Space Centre, Florida

Among the satellites are:

- Prox 1 (Nanosat 7)
- LightSail B - (Deploying from Prox 1)
- ARMADILLO
- PSat-2
- BRICSat-2
- CP-9
- Oculus-ASR
- E-TBEx-a
- E-TBEx-b

Links for IARU coordinated frequencies at

<https://amsat-uk.org/2019/06/24/amateur-radio-satellites-spacex-stp-2/>

### **CAS-7B (BP-1B) amateur radio satellite now ready for launch**

CAS-7B (BP-1B) satellite is an amateur radio satellite combined with educational. **Chinese Amateur Satellite Group** (CAMSAT) is working the project with Beijing Institute of Technology (BIT), one of the most famous aerospace universities in China

The university provides support in launch of the satellite, there

are many teachers and students from this university are participating in the development and testing of the satellite.

With the help of CAMSAT, the university has established an amateur radio club (call sign: B11LG), many students are the members, they are learning amateur radio satellite communication and experience endless fun.

Because of the orbital apogee and the size and mass of the satellite, the orbital life of the satellite is expected to be only one week, up to a maximum of one month, which will also provide with an opportunity for hams to track and monitor satellite entering the atmosphere.

The CAS-7B (BP-1B) is scheduled to be launched at the end of June 2019. The launch will use a new launch vehicle from a small commercial rocket company. This is the first launch of this launch vehicle, and there is a large possibility of failure, if the launch fails, we will have another launch later this year.

Satellite Name: CAS-7B/BP-1B

- Architecture: 1.5U Cube-satellite with flexible film ball
  - Dimensions: 263Lx140Wx105H mm with 500 mm diameter flexible film ball
  - Mass: 3kg
  - Stabilization: Pneumatic resistance sail passive control
- Orbit:
- Orbit type : LEO
  - Apogee : 300km Circular orbit
  - Inclination : 42.7°
  - Period : 90.6min

Payload:

- VHF Antenna: one 1/4λ monopole antenna with max.0dBi gain is located at +Y side
- UHF Antenna: two 1/4λ monopole antennas with max.0dBi gain are located at -Z and +Z side
- CW Telemetry Beacon: 435.715MHz 20dBm
- V/U FM Transponder Downlink: 435.690MHz 20dBm, 16kHz bandwidth
- V/U FM Transponder Uplink: 145.900MHz 16kHz bandwidth

CAMSAT CAS-7B (BP-1B) News Release PDF with Telemetry Format

CAMSAT CAS-7B (BP-1B) News Release PDF with Telemetry Format

<https://ukamsat.files.wordpress.com/2019/06/camsat-cas-7b-news-release.pdf>

### **HS10KING on QO-100 geostationary satellite**

To strengthen the relationship between Thai and Japanese amateur radio operators, representatives of the JAMSAT group of Japan have travelled to Thailand to visit the satellite ground station **HS0AJ**

They will operate from the Ground Station of the Radio Amateur Society of Thailand under the patronage of His Majesty the King (RAST).

On the occasion of the coronation of His Majesty King Vajiralongkorn Bodindradebayavarangkun, HS10A (pronounced "Hotel Sierra-TEN-Alpha), as the 10th king to

reign in the Chakri Dynasty, the National Broadcasting and Telecommunications Commission (NBTC), Thailand's regulator, has authorized the special callsign **HS10KING** (pronounced "Hotel Sierra-TEN-KING).

There will be an opportunity to communicate with HS10KING using the QO-100 amateur radio satellite and low earth orbit (LEO) satellites that windows pass over Thailand by amateur radio stations which is similar to AMSAT Germany's use of the special callsign DL50AMSAT using the QO-100 satellite.

RAST hence invites AMSAT amateur radio satellite operators to join in contacting the HS10KING special event station from June 22, 2019 at 10.00 UTC (17.00 Thailand time) until June 23, 2019 at 10.00 UTC (17.00 Thailand time) using SSB mode and DATV (333 - 250 KS) signals from the station HS10KING.

Please be informed and let others know of this opportunity.

Sincerely and with respect, de HS1JAN  
Tanan Rangseeprom  
Project Manager of JAISAT-1

QO-100 (Es'hail-2)

<https://amsat-uk.org/satellites/geo/eshail-2/>

**Publisher:** The International Amateur Radio Union Region 3  
P. O. Box 73, Toshima, Tokyo 170-8691, Japan.  
E-mail: [secretary@iaru-r3.org](mailto:secretary@iaru-r3.org)  
Tel: +81 3 3988-8753 Fax: +81 3 3988 8772

*The statements or opinions in this Newsletter do not, unless otherwise stated, necessarily reflect the views of IARU Region 3, the Directors or the Secretariat.*

**Note to Editors** - Items from this Newsletter may be freely copied for publication by Member Societies of IARU.

### ***IARU Region 3***



### **IARU Region 3 Contacts**

Official R3 Contacts. Further information can be found on the Region 3 website: <http://iaru-r3.org/contacts/>

### **Society Update Officials and Contact Information**

A request is extended to all Region 3 Society Liaison Officers or other responsible officers to ensure that all details about their society is up to date on the listings shown at <http://iaru-r3.org/> under member societies. Some details have not been amended or updated for a number of years and have nonfunctional data.

Current details can be forwarded to the Secretary of Region 3 for updating of the web information.

### **Newsletter details:**

Go to the IARU Region 3 Web Site <http://iaru-r3.org/topics/newsletter>

**Editor:** Peter Young, Director IARU Region3.  
E-mail: [peter@iaru-r3.org](mailto:peter@iaru-r3.org)

Region 3 Societies can submit articles for inclusion to the next bulletin by **30th September 2019**.