



# ARI

## Associazione Radioamatori Italiani

### A.R.I. XXI Italian E.M.E. Contest 2014, rules

**Period:** from 00.00 UTC of 13<sup>th</sup> September to 24.00 UTC of 14<sup>th</sup> September 2014

**Bands:** 144 - 432 MHz. 1.2 - 2.3 - 5.7 - 10 GHz.

**Modes:** CW, SSB, only via Moon reflection.

**Report:** using TMO procedure or RST

#### Categories for bands:

Stations are subdivided by type of antenna employed. For yagis the total length, in wavelengths, is considered (distance reflector-last director multiplied by the number of yagis in the array), for parabolic reflectors the dish diameter is considered.

At 144MHz 1 wl = 2,08 meters = 82" = 6' 10".

At 432 MHz 1 wl = 0.694 meters = 27".340.

Categorie: 144 MHz. 1 wl = 2,08 m = 82" = 6' 10"

Cat.	Yagi
A	< 7.5 wl
B	< 15 wl
C	< 30 wl
D	> 30 wl

Categorie: 432 MHz. 1 wl = 0,694 m = 27". 340

Cat.	Yagi	Parabole
A	< 23 wl	< 4.3m (14')
B	< 46 wl	< 6.1m (20')
C	> 46 wl	> 6.1m (26')

Categorie: 1.2 - 2.3 - 5.7 - 10 GHz.

Parabole	
A	< 3m (10') & Yagi
B	< 4.3m (14')
C	< 6.1m (20')
D	> 6.1m (26')

#### \*\*Note:

**A - Stations with cross yagis (H/V) or circular polarization and are classified separately, provided it's not applied the downgrade.**

**B - Stations using equipment that is not amateur-owned (defined as commercial station) are classified separately.**

### Downgrading:

If the first of each category scores less than the first of the lower category, the whole category is moved into the lower.

### Points:

For bilateral QSOs: 10 points.

### Multipliers

Each different call prefix is a multiplier (i.e. DL1, DK3, G4, G0, I5, IK3, S50, S57, etc.). See example of WPX Contest rules for further details on prefix multipliers.

### Total Score

Score = Total of QSO points \* Total of multipliers.

Multiband score = Total sum of points on all bands \* Total sum of multipliers on all bands for the band 2.3GHz multiplier it will be 5 over 2.3 GHz multiplier it will be 10. (ie.: on 2.3 GHz. 2 prefix multiplier it will be 10 – 5.7 GHz. & Up 2 prefix = 20)

Multiband stations without any distinction of power and antennas\*\* will also be listed as an entry on each separate band worked, and can also win single band awards. The calculation of the score of the multiband category, based on total multiband score, will be made exclusively by the manager.

\*\*Stations using equipment that is not amateur-owned (defined as commercial station) are excluded from this category

### Prizes:

To the First station of each category; a certificate will be sent to all the participants who sent the log in. If somebody wins more than one category, he gets only one prize and certificates for the other categories won, while the prize for these categories goes to the second placed and will be so described.

### Special Prize:

**There will be a special prize drawn among all received logs**

### Log:

**Contest entries must be sent no later than 30<sup>th</sup> September 2014**

By e-mail to [i5wbe@i5wbe.it](mailto:i5wbe@i5wbe.it) (it will be confirmed upon reception)

The log must contain a general section with Call, Name, Address (including e-mail), QTH Locator, Band, Category, PA Power, Antenna dimensions and type.

The QSO log must contain **Date, Hour, Call, Multiplier, Score** per band of participation. Comments, conditions and pictures are welcome.

**All logs should be forwarded, even those with a single entry, so that everyone can enter the competition for the participation prize.**

### Rules:

Logs of stations using logger chats or cluster spots for information exchange about the actual QSOs will be considered control logs.

Limited use of cluster and logger spots (up to 6 spots maximum per moon pass), indicating only call & frequencies is allowed. Exception: liaison to coordinate band-by-band activity is explicitly permitted for the bands 2.3 GHz and higher.

In case of protests, the decisions of the Contest Manager are final

The Italian A.R.I. - E.M.E. Contest Manager  
Enrico I5WBE