



# ARI

## Associazione Radioamatori Italiani

### A.R.I. Italian E.M.E. Trophy 2016 rules

Spring Section: from 00.00 UTC of 9<sup>th</sup> to 24.00 UTC of 10<sup>th</sup> April 2016

Autumn Section: from 00.00 UTC of 24<sup>th</sup> to 24.00 UTC of 25<sup>th</sup> September 2016

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

Separate classification for each band

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

It's possible to work the same station once for each mode (CW/SSB or digital) maximum of 2 QSO during the same session.

#### 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 H/V yagis, only the longest is considered, for parabolic reflectors the dish diameter is considered.

#### Mix Mode (Digi & CW/SSB)

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

Cat.	Yagi
A-mix	< 4 wl
B-mix	< 9 wl
C-mix	< 13.5 wl
D-mix	<20 wl
E-mix	>20 wl

**Single Category : 432 MHz**

**Category: 1.2 - 2.3 - 5.7 - 10 GHz.**

Cat.	Dish
A-mix	< 3m (10') & Yagi
B-mix	< 6.1m (20')
C-mix	> 6.1m (20')

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#### Mode (CW/SSB)

**Single Category : 144 MHz CW/SSB**

**Single Category : 432 MHz CW/SSB**

**Category: 1.2 - 2.3 - 5.7 - 10 GHz. CW/SSB**

Cat.	Dish
A	< 3m (10') & Yagi
B	< 6.1m (20')

C	> 6.1m (20')
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### Category Multiband (1,2 GHz. & Up)

Multiband score = Total sum of points on all bands \* Total sum of multipliers on all bands for the band 1.2 GHz. multiplier x1, 2.3GHz multiplier x 3, 5..3 GHz multiplier x 5. 10GHz. Multiplier x7 (i.e.: on 1.2GHz. 1000 points x1 – 2.3 GHz. 500 points x 3 – 5.7 GHz. 300 points x 5 – 10 GHz: 100 points x 7 = 1000+1500+1500+700 = 4700 points).

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.**

#### 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: 20 points for CW/SSB QSO 3 points for Digital QSO.

### Multipliers

**. Every italian station worked counts as multiplier x 2.**

#### Total Score

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

#### 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.

#### Trophy Score

All Stations that have participated in both sections will participate to the final Trophy with the sum of the scored obtained, the First station in each category will receive a Prize an Award to all participants.

#### Log:

**Contest entries must be sent within fourth Monday after the contest**

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.

Logs of stations using logger chats or cluster spots for information exchange about the actual QSOs will be considered control logs. Only call & frequencies are allowed.

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

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

Enrico I5WBE