

WRTC-2010 Selection Criteria

14 August 2007

Overview - This is a summary of the operator selection criteria and evaluation formulas for WRTC-2010. Each competitor may submit up to eight results from the contests in section 1. Each result is calculated according to sections 2 through 4. Application criteria and team distribution are described in sections 5 through 8. The process by which results will be accepted and competitors chosen will be announced at a later date. A preliminary summary of the WRTC-2010 competition rules follows section 8.

1. **Contest listing** - scores from the following contest may be used to calculate results for the selection process

Contest	Years from which scores will count				Number of scores	
CQWWCW	2006	2007	2008		3	
CQWWSSB	2006	2007	2008		3	
RDXC		2007	2008	2009	3	
WAE CW	2006	2007	2008		3	
WAE SSB	2006	2007	2008		3	
CQWPXSSB		2007	2008		2	
CQWPXCW		2007	2008		2	
IARU	2006	2007	2008		3	
ARRL CW		2007	2008		2	
ARRL SSB		2007	2008		2	
EUHFC		2007	2008		2	EU only
SS CW		2007	2008		2	NA only
SS SSB		2007	2008		2	NA only
NA Sprint CW (1 per year)		2007	2008		2	NA only
NA Sprint SSB (1 per year)		2007	2008		2	NA only
RHFC		2007	2008	2009	3	RU only

*(EU = 28 contests; US = 34 contests; Others = 26 contests)

2. **Contest weight** - This represents the maximum result that can be obtained from a contest score.

Contest	Maximum result		
CQWW (CW & SSB)	950		
RDXC	910		
EUHFC	850	for EU	
WPX (CW & SSB)	740		
IARU	740		
WAE (CW & SSB)	730		
SS (CW & SSB)	700	for NA	
ARRL (CW & SSB)		660	for NA
NA Sprint (CW&SSB)	600	for NA	
ARRL (CW&SSB)	620	for DX	
RHFC (M/S)	1000	for Russia only	

3. **Category factor** - These factors based on entry category are applied to the contest's maximum result to account for differences in competitiveness and activity level

SO-AB	SO-Assisted	SO-Single mode in Mixed-mode contests	LP	MS	M2	MM (incl. HQ)
1,0	0,7	0,8	0,7	0,9	0,8	0,7

SO-QRP and SO-Single Band scores will not be counted towards selection for WRTC-2010.

4. Formula for calculation of results from each contest

$$\text{Nominee result} = \text{Contest weight} \times \text{Category factor} \times \frac{\text{Nominee score in the contest}}{\text{Maximum score in nominee category from selection area}}$$

Example calculation:

RX3ZZ receives a score of 1.2 Mpts in WPX CW (weight = 740 points) as a SO-LP entry (category factor = 0.7). The maximum score in SO-LP in RX3ZZ's selection area (see section 8 of this document) was 1.35 Mpts. RX3ZZ may submit the following result from this contest:

$$740 \times 0.7 \times (1.2 \text{ Mpts} / 1.35 \text{ Mpts}) = 460.4 \text{ points}$$

If "Maximum score in nominee category from selection area" is lower than the highest score in any lower category from the same selection area, substitute the higher score as the reference score:

$$\text{Nominee result} = \text{Contest weight} \times \text{Category factor} \times \frac{\text{Nominee score in the contest}}{\text{Maximum score in lower category from selection area}}$$

Category order: MM, M2, MS, SOAB-Assisted, SOAB, SOAB-Single Mode, SOAB-LP

Example calculation:

RZ3XYZ club receives a score of 3.8 Mpts in WPX CW (weight = 740 points) as M2 entry (category factor = 0.8). The maximum score in M2 in RZ3XYZ club's selection area was 4.9 Mpts, but this score is lower than score of RA3AAA who made 8.5 Mpts in SOAB category in the same RZ3XYZ contest area. RZ3XYZ may submit the following result from this contest:

$$740 \times 0.8 \times (3.8 \text{ Mpts} / 8.5 \text{ Mpts}) = 264.6 \text{ points}$$

* SELECTION AREA - an area of applicant's permanent residence

** for US – an area (within mentioned borders) of applicant permanent residence (driver license, FCC license)

DX QTH scores (scores made outside an operator's home selection area) are evaluated against the top score in the selection area from which the score was made. For example, if W1ABC (home selection area US Area 1) operates from KP1, receives points from evaluating the score against other scores from Central America and not against scores from US Area 1.

5. Conditions for team leader (TL)

- 1) A TL must have permanent residence (a valid passport) in the country he (she) applies to represent and at the time of all contests for which results are submitted. When the TL has residence in two or more countries, he (she) may only represent one of them.
- 2) Total result = sum of 8 best results calculated as in section 4 of this document
- 3) MS/M2/MM - no more than 4 results may be submitted
- 4) MS/M2/MM - no more than 2 team members may submit results for a single contest
- 5) DX QTH - no more than 4 results may be submitted

6. Conditions for team mate (TM)

TM must have permanent residence of the same country as their TL and from the date of the first submitted contest result. Exception: TL from African, Asian (others), Central American or Pacific (others) entity can choose TM from another country, but from the same selection area.

7. Referees.

Each TL will nominate a referee candidate for WRTC-2010. That candidate (along with volunteers from the contesting public) will be placed on a referee nomination list. From that list, referees will be selected and assigned to teams. During the competition, the team referee must be from a different country than that of the team and can not be the one which is nominated by that team.

8. Selection areas.

CONTINENT	TOTAL TEAMS	AREA NAME	COUNTRIES IN AREA	TEAMS FROM THE AREA
EUROPE	21 teams	EU Area #1	3A-9H-C3-EA (incl. EA6)-CT (incl.CU)-F (incl.TK)-G (incl.G-GD-GI-GJ-GM-GU-GW)-EI-I (incl.IS0-HV-1A)-T7-ZB2	4 teams
		EU Area #2	ON-PA-LX-DL-OE-HB-HB0-SP-OK-OM-HA	5 teams
		EU Area #3	SM-LA-OH (incl.OH0-OJ0)-OZ-OY-TF-JW-JX-LY-YL-ES	5 teams
		EU Area #4	UR-EW-ER-LZ-SV (incl. SV5-SV9-SV/a)-YO-YU-S5-9A-ZA-Z3-T9-4O	5 teams
		EU Area #5	R1-R2-R3-R4-R6	2 teams
NORTH AMERICA	11 teams	NA Area #1	W1-W2-W3-W4 (VA, NC, SC, FL, GA)	3 teams
		NA Area #2	W4(KY,TN,AL)-W8-W9	2 teams
		NA Area #3	W5-W0	2 teams
		NA Area #4	W6-W7-KL7	2 teams
		NA Area #5	VE1-VE2-VE3-VE4-VE9-VY2-VO2	1 team
		NA Area #6	VE5-VE6-VE7-VE8	1 team
CENTRAL AMERICA	1 team	CA Area		1 team
SOUTH AMERICA	2 teams	SA Area #1	PY	1 team
		SA Area #2	others	1 team
ASIA	6 teams	AS Area #1	JA	1 team
		AS Area #2	R9-R0	2 teams
		AS Area #3	others	3 teams
OCEANIA	2 teams	OC Area #1	VK – ZL(incl. VK9, ZL7-8-9)	1 team
		OC Area #2	others	1 team
AFRICA	1 team	AF Area #1		1 team
Invited team	1 team	WRTC-2006 champion		
Host team	1 team	SRR		
Sponsored teams	4 teams	Sponsored Team #1-#4		
	50 teams			

* A maximum of 2 (two) teams from a single country will be accepted (Exception: Invited, host and sponsored teams)

** TL/TM disqualified from any listed contests in period from July 2006 will lose the right to apply.

Preliminary contest rules

- Contest period: IARU Contest;
- 80, 40, 20, 15, 10 meter bands;
- CW & SSB;
- 2 TX/RX radios;
- 100 Watts output;
- 2 antennas: 20/15/10 m tri-bander + 40/80 m Inverted V dipole with PL259 connectors;
- The only one signal on the air at any given time. TX of the second radio has to be blocked when first radio is transmitting and vice versa;
- Continuous recording of Radio A and Radio B.
- No second RX in 2 VFO radios (sub-receiver must be OFF)
- No Super Check Partial database
- No Internet or telephone network connectivity of any kind

QSO points

Zone 29	2 pts
EU	3 pts
DX	5 pts

Multipliers

DXCC entities and every HQ station on each band.

Total score

Sum of QSO points x sum of multipliers.