



CONGRESS

Annual General Meeting

held from 11:30 – 18:30

on Wednesday, 31 October 2018 in Sarasota, USA

MINUTES

Congress Members Present:

Bruno Finzi (Chairman)	Italy		
Wolfgang Schäfer (Deputy Chair)	Germany	Noboru Kobayashi	Japan
Jose Frers (Deputy Chair)	Argentina	Patrick Lindqvist	Finland
George Andreadis	WS/Greece	Alessandro Nazareth	Italy
Don Genitempo (Hon. Treasurer)	USA	Thomas Nilsson	Norway
Steve Benjamin	USA	Daniel Pillons	France
Thomas Blixt	Sweden	Michael Quist	Denmark
Per Boeymo	Norway	Glen Stanaway	Australia
Willem Ellemeet	The Netherlands	Ron White	USA
Bojan Gale	Slovenia	Zvi Ziblat	Israel
Zoran Grubisa	Croatia	Matteo Zuppini	Australia
Gary Jobson	WS	Dirk-Jan Zweers	Netherlands

Alternate Members:

Thomas Nilsson substituted for Sverre Ellinsen (Norway)
Robert Jacobsen substituted for Christian Plump (Germany)
Noboru Kobayashi substituted for Makoto Uematsu (Japan)
Panayotis Papapostolou substituted for Lazaros Tsalikis (Greece)
Wolfgang Schaefer substituted for Ecky von der Mosel (Germany)

Apologies for absence:

H.M. King Harald V of Norway,	Hon. President		
Vassiliy Alekseev	Russia	Andrew McIrvine	RORC
Joaquim Barenys de Lache	Spain	Joaquin Holzapfel	Ecuador
Rafael Bonilla Paz	Spain	June Lee	Korea
Adalberto Casaes	Brazil	Roberto Peschiera	Peru
Gabor Csernussi	Hungary	Alessandro Maria Rinaldi	Italy
Ivan Drinkovic	Croatia	Antonio Roquette	Portugal
Bruno Frank	Switzerland	Veiko Rosme	Estonia
Luc Gelluseau	France	Gerd Schmiedleitner	Austria
Philippos Georgakis	Cyprus	Luke Scott	South Africa
Bartosz Gruszka	Poland	Manuel Torres	Spain
Philip Haggerty	Canada	Roy van Aller	Netherlands
Magdalena Maria Ion	Romania	Godwin Zammit	Malta

Officers present:

Vivian Rodriguez	Secretary	Italy
Zoran Grubiša	Chief Measurer	Croatia

Observers:

Lance Burger	South Africa	Dean Reading	GBR/WS
Dobbs Davis	USA	Nicola Sironi	Italy
Egon Elstein	Estonia	Dee Smith	USA
John Horton	USA	Jason Smithwick	GBR
Phil Lotz	USA NYYC	Monica Tancredi	Italy
Dan Nowlan	USA	Jim Teeters	USA
Fabrizio Pirina	Italy YCCS	Nathan Titcomb	USA

1. CHAIRMAN'S REPORT

The Chairman Bruno Finzi reports that 2018 has been another successful year for ORC. While the overall numbers of boats and certificates using the system has remained close to constant from 2017, there has been significant growth in new regions who use the system, continued research and development to improve the accuracy and flexibility of ORCi and ORCsy rating systems, and an exciting new area of handicapping we are pursuing with the Offshore Multihull Association in development of the new ORCmh system.

This was also our 20th year of helping to organize a World Championship event, and this year's Offshore Worlds in The Hague was not only well-organized and provided competitive racing for the sailors, but it was also a milestone in our cooperation with RORC to use both ORC and IRC rating tools for measurement and scoring. We look forward to continued productive cooperation with RORC, both in technical matters and to be partners again in organizing a joint World Championship every two years, with the next being in Newport USA with New York YC in 2020.

Our other 2018 ORC championship events were also successful, with the Sportboats in Italy being popular and the Europeans held in Cyprus bringing access to competitive ORC sailing in the far eastern Mediterranean region for the first time. Next year we expect strong interest in events that are closer to the core ORC fleets at the Worlds in Šibenik, Croatia, the Europeans in Oxelosund, Sweden and the European Sportboats in Portorož, Slovenia.

In the Management Committee we are extremely thankful for the many, many years of service our retiring Honorary Treasurer Don Genitempo has made to ORC. His extraordinary dedication, passion and insight has helped us grow while also being true to our principles of providing the world's best system of handicapping racing sailboats. Don will be remembered always as being a key member of this organization, and we salute him.

2. THE TREASURER'S REPORT

Don Genitempo reported. Financial situation is stable with income covering expenses and reserve funds available for clean operation without any major debts. However, increase of the activities particularly with new projects like ORC Superyacht Rule and newly-initiated ORC Multihull Rule requires investments in enlarging the staff and involving technical advice from the experts. Therefore, it was proposed to implement a slight increase of ORC levies as follows:

ORC Int.	78 Euro
ORC Club	46 Euro
IOR	46 Euro plus ORC Club certificate for free
Sportsboat One Design	23 Euro
Speed Guide & Stability Datasheet	50 Euro when issued locally
Target Speed	10 Euro
Super Yacht certificate	as per price list on the website

Removal of dividends to MNA's from the Sailor Services was also proposed to be applied from 2019.

The Financial report, budget for 2019 as well as levies and decision of removal of Sailor Services dividends were approved unanimously.

3. APPOINTMENT OF HONORARY TREASURER

The Congress approved unanimously Patrick Lindqvist as Honorary Treasurer in substitution of Don Genitempo who is retiring. The Chairman and Congress members expressed their gratitude to Don Genitempo for all the work he has done for the ORC in more than 25 years of his voluntary services.

4. MEMBERSHIP OF COMMITTEES

The following changes in membership of Committees were approved unanimously:

Management Committee	Don Genitempo, Honorary Treasurer, is retiring from the Committee and will be substituted with Patrick Lindqvist.
ITC	Javier Gonzalez-Cela Echevarria is stepping down from the Committee and substituted by Manolo Ruiz de Elvira Tobias Kohl is stepping down from the Committee and substituted by Antoine Cardin
Offshore Classes & Events Committee	Don Genitempo retiring from the Committee, Dirk-Jan Zweers and David Bartol are joining the Committee
Race Management Committee	Ab Pasman is stepping down from the Committee and is substituted by Willem Ellemeet
Promotion and Development Committee	Emanuela di Mundo is stepping down from the Committee, Fabrizio Pirina will substitute for Edoardo Recchi
Committee of Honour	Don Genitempo is added to the Committee

5. REPORTS AND RECOMMENDATIONS OF COMMITTEES

5.1 INTERNATIONAL TECHNICAL COMMITTEE

Alessandro Nazareth reported.

The International Technical Committee met three times in 2018 working during the year on constant research and development of the rule and answering submissions to prepare final recommendation for the changes and updates of the VPP in 2019.

Aerodynamics research is in a continuous development using the latest available CFD tools. In 2019 it will continue with CFD work to run additional models of overlapping sails with sheeting angles taking into account the chainplate width. The objective is to tune the new Aero model for overlapping jibs, but also to tune the current formulation with existing data: fractionalization, square top mainsail and aspect ratio of sail plans.

Hydrodynamic models are also going through extensive research with 500 hull shapes run with RANS CFD. While the present lengths are created at fixed heights above the LSM1 (static sailing) waterplane, the plan is to create generic waveforms that depend on F_n and LVR (and maybe BTR) at LSM1 and then 'float' the hulls on those waveforms in the LPP.

As the CFD data includes transom drag, the plan is to incorporate the transom drag into the length assessment by taking into account the difference in curve of areas between the measured curve and a default curve that is tangent at the transom.

Andy Cloughton will make a coordination of a WG including Jason Ker, Antoine Cardin, Matteo Polli and Davide Battistin. With the ORC research budget for 2019 a PhD student could be hired to perform a complete CFD post-processing (hopefully including aero too) following the guidelines from the WG.

The Funsteady term takes empirically into account the difficulty of reaching the maximum performances after manoeuvring. It is a multiplier which is made by a term $f_{inertia}$ based on the ratio of wind speed and boat displacement, and a term f_{draft} based on the draft/length ratio and being effective only above

D/LSM1>0.19. The Draft term has been removed as this parameter has nothing to do with unsteady effects. The removal of this term will return a fairer handicap for the keels without any type forming factor versus low draft keels.

ITC worked this year also on the current formulation of added resistance. The effect of mast weight is very strong compared to the other gyradius terms, so the current calculation of gyradius increment due to the mast has been revised and compared with original 1995 one from Greg Stewart. Having not found any bug but thinking that the gyradius adjustment for the mast is quite high in a large part of the fleet, ITC will keep this item on the 2019 agenda and for 2019 will support the reduction at 50% of the gyradius adjustment for the mast, hence reducing the overall effect.

The effect of a crew weight increase on a J/70 that in light wind is going in the wrong direction has been inspected by ITC. Davide Battistin prepared a code for the transfer of the CW from leeward to windward, trying to locate the crew transversally in the optimum position when the crew is not sitting in the rail.

With this new formulation the optimum transverse position is computed in a way that the faster solution is obtained. In addition, the CW windage is computed with DEFAULT CW removing all the negative effects of CW increase. With the above amendment there are no cases where the increase in CW generated a decrease in terms of handicap (like it was happening in the J/70). This will be included in 2019 VPP.

The committee reviewed 10 submissions with the major recommendations as follows:

- Submission ARG 1 is supported by adding the option of having declared the use of Asymmetric spinnaker tacked on the centerline only, even when there is a spinnaker pole aboard. The VPP will run accordingly in case of such a declaration.
- Submission ARG 2 asks to rate lifting keels with ballasted bulbs, and this is not supported for safety reasons.
- In response to submission ITA 3 on preservation of the fleet, ITC believes that the tools used to validate all new VPP amendments are returning a full reliability in the process. The test runs are not only a unique and reliable tool, but also a full rescoring of last year's most important races (most importantly the World Championship) and the comparison with the real performances of a wider database of boats that have provided their data logs are also a fundamental part of the process.

An all-effects test run has been prepared after the meeting with the following features:

- Asymmetric spinnaker with or without pole
- Unsteady function revision with D/L term removal
- Added resistance in waves upgrade (base gyradius and mast gyradius adjustment at 50% of current value)
- CW transversal position optimization with default CW windage

The ORCi certificates in the Worlds fleet has the majority of GPH ratings changing in the range of +/- 0.5%, the single WL handicap variations showed a similar small variation, and without any significant trend (L, LVR etc.). The rescoring of major championships did also not show any large re-shuffling of results.

The minutes of the International Technical Committee meeting provides more details on discussion and decisions of the committee. Recommendations from the International Technical Committee were unanimously approved.

5.2 RATING OFFICERS COMMITTEE

Zoran Grubiša reported.

The Committee discussed 6 submissions from which 3 major recommendations to the Congress were presented. Following the technical cooperation between ORC and RORC, an additional tab with IRC-specific data will be added to the ORC Manager software together with an option of exporting data that may be sent to the IRC Rule Authority.

ORC Manager software will have an additional validation filter added for checking the validity of the offset files and avoid unwanted use of erroneous offset files or running ORC International certificates with an offset file suitable for ORC Club only. Furthermore, during 2019 a system will be set up for verifying new offset files coming to the database with a plan to start in 2020 a new system that will not allow any certificates to be uploaded with incorrect offset files.

As response to Submissions RUS 2 and USA 1, an Appendix to the ORC Certificate will be introduced containing custom-made pre-selected courses as defined by the Rating officers for certificates in each country.

The minutes of the Rating Officers Committee meeting provides more details on discussion and decisions of the committee. Recommendations from the Rating Offices Committee were unanimously approved.

5.3 MEASUREMENT COMMITTEE

Zoran Grubiša reported.

The Measurement Committee received reports from the work of the Technical Committees on the ORC Championships in 2018. The first combined ORC/IRC World Championship in the Hague saw very good technical cooperation with the RORC rating office that was set up as a basis for future developments of the UMS concept and unifying measurement definitions through different rating rules as well as making compatibility of different databases. Two measurement issues found at the ORC European Championship in Cyprus and ORC Sportboat European Championship were discussed and noted as good examples of how such cases shall be handled during the pre-race and post-race measurement checks. It was also confirmed that the measurement protocols used at ORC Championships works well and shall be enforced at all future championships.

The Committee discussed 4 submissions out of which the most important was asking for an amendment of SPL measurements to be the same as the IRC rule as a result of experience from the combined IRC/ORC World Championship. The submission was supported in principle, but its application is proposed for 2020 together with any other possible standardization between IRC and ORC measurements that are planned during 2019 through the UMS project.

The latest developments of 3D/TS hull scanning were presented and discussed together with promotional videos describing measurements of the mainsail, headsails and spinnakers.

The minutes of the Measurement Committee meeting provides more details on discussions and decisions of the Committee. Recommendations from the Measurement Committee were unanimously approved.

5.4 SPECIAL REGULATIONS COMMITTEE

Per Boymo made a short report about the Special Regulations Committee meeting.

Please refer to WS Committee Minutes.

5.5 OFFSHORE CLASSES & EVENTS COMMITTEE

The Chairman Bruno Finzi chaired the meeting substituting Paolo Massarini who was unable to attend.

The Committee received reports from the ORC Championships in 2018. The first combined ORC/IRC World Championship in The Hague attracted 85 boats from 15 countries in 3 classes defined by the CDL limits. Combined scores that were used with the single number IRC and triple number ORC ratings were found to be not fully successful, and if a combined championship is to be repeated a better solution should be selected. An example may be to score the offshore race with the IRC single number and inshore races with ORC PCS. Technical cooperation between ORC and IRC should continue in that direction.

The ORC European Championship was held in Limassol, Cyprus with participation of 28 boats from 8 countries. Even though the number of boats was maybe not so large as in other recent European

championships, this was mostly due to the location not being close to the major fleets, although it may still be regarded as a successful event for the development of ORC racing in that region.

The ORC Sportboat European Championship in Sistiana, Italy had 27 boats from 6 countries showing that the Northern Adriatic area has great potential for ORC Sportboat racing, and this has resulted in a bid from this region to host 2019 ORC Sportboat Europeans.

The Committee discussed 7 submissions and made following recommendation to the Congress:

Submission GER 3 to change class definitions locally for World and European Championship was not supported as there were 3 votes for submissions, 4 against and 2 abstained. It was felt by the majority that an international standard Class definition should be set through CDL by ORC. Submission ITA 4 was answered in the same way.

It was agreed to allow the possibility to change the maximum number of boats in a Class from 50 as defined in the Green Book as the “default” with the agreement between the organizer and the ORC. In cases where the number agreed is over 50, a racing format with gold and silver divisions may be applied.

It was confirmed that the ORC Scorer software shall remain mandatory for use at ORC Championship events even when used in parallel with another type of scoring software. For the web race management system and tracking system there will be a minimum standard defined in the Green Book that should be met by any ORC Championship race organizers.

Submission RUS 1 about having an intermediate finish on the long offshore race was not supported as it is not complying with the RRS. However, a change to the championship format as part of the discussion on Green Book amendments is proposed as follows: World Championship to include 2 Offshore races (long and short) and 6 inshore (windward/leeward) races. For the European Championship the schedule shall include 1 offshore and 6 inshore races. All races are to have the same scoring coefficient of 1.0 with offshore races non-discardable and 1 discard allowed on inshore races if 5 or 6 inshore races are completed.

The following events are confirmed or approved for 2019:

ORC World Championship	Šibenik	Croatia	1 – 8 June 2019
ORC European Championship	Oxelösund	Sweden	11 – 17 August 2019
ORC Sportboat Championship	Portorož	Slovenia	24 – 30 August 2019

Bids to host the 2020 ORC World Championship were presented by: Newport (USA), Tallin (EST) and Sandefjord (NOR). After review of three well-presented bids, the Committee is proposing to the Congress to confirm the World Championship to be held in Newport (USA) at the end of September/beginning of October 2020.

The Committee noted that interest letters to host the 2020 ORC European Championship were received from Istanbul (TUR) and Capri (ITA), but both were not ready for complete presentation to the committee. The committee will ask more details for both bids and ask the Congress to give permission to the Committee to make a final decision by the end of the year by e-mail vote.

The minutes of the Offshore Classes and Events Committee meeting provides more details on discussions and decisions of the Committee. Recommendations from the Offshore Classes and Events Committee were unanimously approved.

5.6 RACE MANAGEMENT COMMITTEE

The Race Management Committee could not meet in Sarasota as majority of the Committee members were not present. However, Ecky van der Mosel reported about a meeting among the Committee members by e-mail.

The Committee is supporting Race Management Guidebook as new publication on which the work is in progress. The Committee is not supporting changes in ORC Certificates by adding new rating factors. However, this is not in contradiction with adding more options as an Appendix to the certificate as proposed and supported by other Committees.

5.7 PROMOTION AND DEVELOPMENT COMMITTEE

Dobbs Davis reported.

Many activities and initiatives were completed in 2018, including development of new professionally-produced ORC Measurement training videos for Sails, Rigs, Boats and Propellers, trips to Hong Kong, Ireland, Israel and USA, a new online Scratch Sheet tool, update to the 2018 ORC Guidebook, updates to the Scorer software, and a new social media manager. Ongoing projects are to complete the Race Management Guide and train more Race Committees on use of the Scorer Software.

The minutes of the Promotion and Development Committee meeting provides more details on discussion and decisions of the Committee. There was no need to vote for recommendations on ITA 3 since this was already covered by the ITC.

5.8 MANAGEMENT COMMITTEE

Bruno Finzi reported.

Besides other items that are already reported in the Chairman's report, the Management Committee discussed 7 submissions with some of these also covered by other Committees. In that sense, the Committee agrees with ITC recommendation on submissions ARG 2 and ITA 3 and with Offshore Classes and Events Committee on submission NED 5 as well as with the Rating Officers Committee on submission USA 1.

The Committee does not support submission GER 1 on changing the pricing policy for VPP run/certificate issue, leaving this to the Rating offices as ORC is only charging levies while the final certificate price is determined by each Rating office. Also, submission SUI 1 on a reduced levy for all Sportboats is not supported as a 50% ORC Club levy is applied only for One Design Sportboats that do not require any measurement nor additional work of the rating office. Submission SWE 1 is supported in principle as the Management Committee is already working on improving cooperation between ORC and RORC.

The minutes of the Management Committee meeting provides more details on discussion and decisions of the Committee. Recommendations from the Management Committee were unanimously approved.

6. CALENDAR FOR 2019 -- MEETINGS AND EVENTS

ORC Championship Events

ORC World Championship	Šibenik	Croatia	1 – 8 June 2019
ORC European Championship	Oxelosund	Sweden	11 – 17 August 2019
ORC Sportboat Championship	Portorož	Slovenia	24 – 30 August 2019

ORC SY Events

Millennium Cup	Auckland	New Zealand	29 Jan – 3 Feb 2019
Superyacht Challenge Antigua	Antigua	Caribbean	30 Jan – 3 Feb 2019
St Barths Bucket Regatta	St Barths	Caribbean	21 – 24 March 2019
Lora Piana Superyacht Regatta	Porto Cervo	Italy	3 – 8 June 2019
The Superyacht Cup	Palma	Spain	19 – 23 June 2019
Candy Store Cup	Newport	USA	25 – 27 July
Maxi Yacht Rolex Cup	Porto Cervo	Italy	1 – 7 Sept 2019
Les Voiles de St Tropez	St Tropez	France	29 Sept – 6 October

ORC MH Events

BVI Spring Regatta	Tortola	BVI	25 – 31 March 2019
Les Voiles de St Barths	St Barths	Caribbean	15 – 22 April 2019
Multihull Cup	Palma	Spain	30 Aug – 1 Sept 2019

Meetings

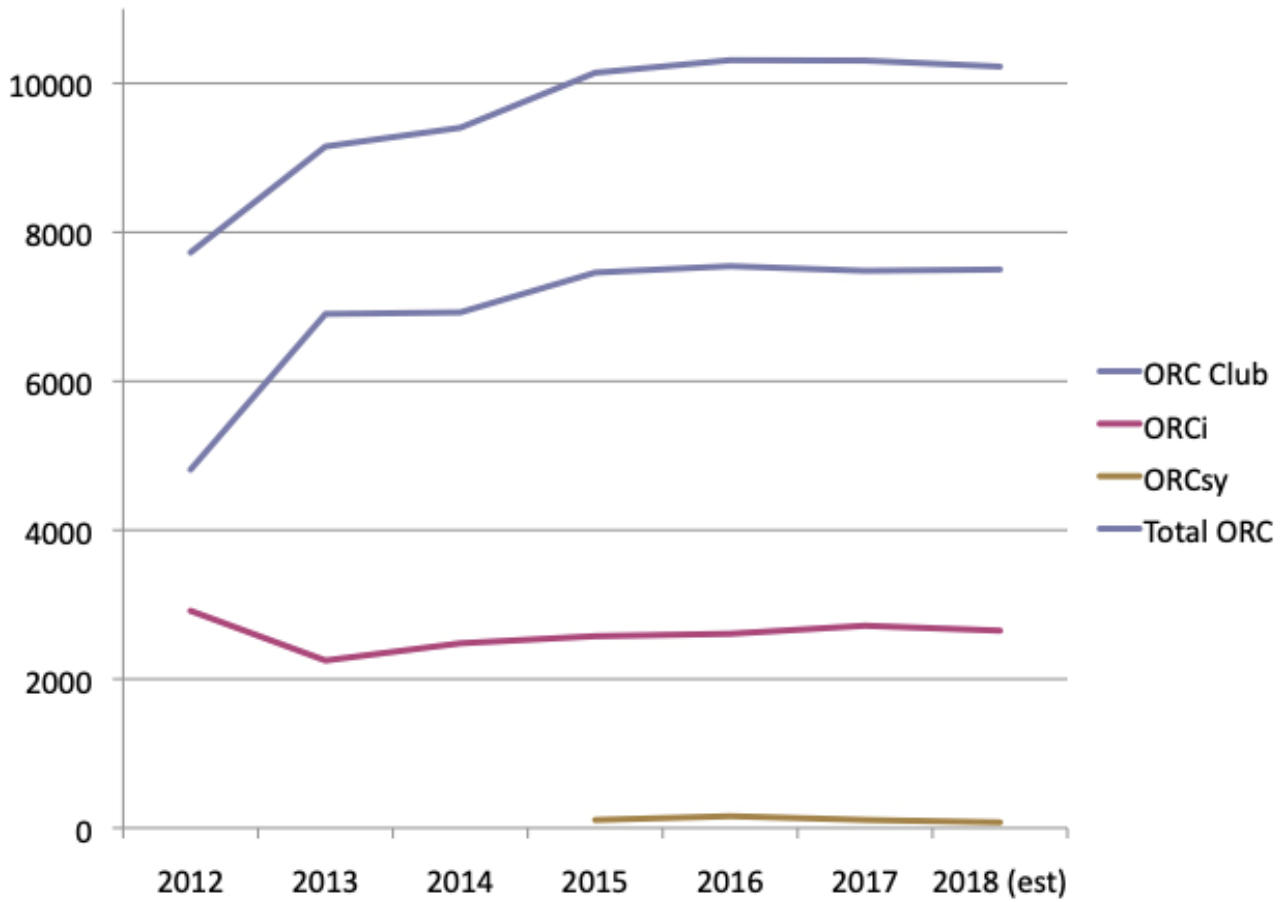
The staff meetings is planned for 22 – 25 November 2018 in Milano.

The next ITC meeting is to be held in Annapolis from 17 – 19 March 2019.

The next Management Committee meeting will take place early next April in Athens.

The next Annual General Meeting will be held in Hamilton, Bermuda. Dates to be confirmed.

Appendix A: ORC Fleet Statistics Certificates 2012-2018



Appendix B: Detailed 2018 Fleet Statistics

	1st QT		2nd QT		3rd QT		4th QT		30.09. 2018	
	Club	Int	Club	Int	Club	Int	Club	Int	Club	Int
AHO					18	0			18	0
ARG	1	2	65	15	1	4			67	21
AUS	3	14	5	31	34	64			42	109
AUT	9	0	30	4	19	5			58	9
BRA	0	36	0	7	0	30			0	73
BUL	1	0	41	2	20	0			62	2
CAN	21	2	19	2	3	0			43	4
CHN					5	0			5	0
CRO	63	14	81	4	14	5			158	23
CYP			23	8	8	5			31	13
DEN	0	2	0	10	0	1			0	13
ECU			0	29	0	10			0	39
ESP	381	368	148	227	98	160			627	755
EST			42	9	5	6			47	15
FIN	1	0	16	46	2	3			19	49
FRA	102	0	190	6	13	2			305	8
GBR	4	2	16	7	16	13			36	22
GER			418	156	55	27			473	183
GRE	153	36	370	86	64	14			587	136
HKG	15	0	9	0	1	0			25	0
HUN			19	1	17	0			36	1
ISR	53	3	7	0	9	12			69	15
ITA	478	228	450	334	73	59			1001	621
JPN	25	2	26	1	6	1			57	4
KOR	7	0	10	0	6	0			23	0
LIB	1	1							1	1
LAT			1	0	2	0			3	0
LTU			25	7	22	0			47	7
MLT	1	0	1	2	5	1			7	3
MNE	1	0	4	1					5	1
MRI			9	0	2	0			11	0
NED	7	0	789	99	66	7			862	106
NOR			1140	16	149	17			1289	33
PER	0	2	3	6	1	3			4	11
POL	1	1	21	36	17	46			39	83
POR	30	9	29	4	14	10			73	23
ROU			25	19	7	7			32	26
RSA	49		19		131	0			199	0
RUS	2	1	53	8	55	5			110	14
SLO	0	1	15	12	2	2			17	15
SUI	62	1	104	0	13	1			179	2
SWE			5	48	0	7			5	55
TUR	2	0	40	0	1	1			43	1
UKR			39	0	13	2			52	2
USA	30	6	67	35	52	19			149	60
	1503	731	4374	1278	1039	549	0	0	6916	2558
	2234		5652		1588		0	0	9474	

Comparison 30.09.2017

-24	0
-1	-11
-3	-1
21	0
0	10
-15	-3
-34	2
5	0
-28	-18
4	7
-14	-1
0	6
-30	11
-12	-6
2	-3
18	1
-11	21
-14	-50
33	-7
12	0
14	1
2	15
-65	1
9	-1
-1	0
1	1
0	-2
-20	0
3	3
-8	1
11	0
-211	58
-23	5
-5	-17
-3	49
14	1
-3	4
100	0
15	-1
10	-3
5	2
2	8
12	-1
-8	-1
59	15
-139	96
-43	

SY	49	25			74
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