



PORTSMOUTH YARDSTICK SCHEME

RYA Race Officials Conference 2011

RYA Technical Department



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Overview

- A look at the data and its current limitations
- www.pys.org.uk and how it works
- YR2 documentation
- Race Management issues



The Portsmouth Yardstick Scheme

- Run by the RYA since 1952 and is available to all UK clubs **free of charge**
- **Is run jointly by the RYA and the CLUBS**
- Is applicable to dinghies, keelboats, multihulls and cruising yachts
- Relies on club data, **captured via a Club Return**, to make a relative performance consideration between different types of boat



Why the Club return is so vital to the PYS

- The PN list is based purely on Club Data

No data = No PN list

- If the data is poor or inconsistent – this will be reflected in the PN list
- If numbers are not adjusted, then the PN list will not be adjusted.

ID	CLASS OR TYPE	DESCRIPTION	RIG	SPIN*	CAT	BOATS	RACES	NUMBER
1	National12							
2	12 SQM SHARPIE							
3	14							
4								
6	29ER							



Club Data – some identified problems

- The return process is too arduous and complex if clubs are not prepared.
- Collated annually at the end of the season – which can lead to anomalies within the return.
- No or very little validation carried out by the RYA.
- Handicap officer can be a unpopular job within a club.
- If numbers are not adjusted, then the PN list will not be adjusted.



Adjusting Numbers

- RYA recommend that the clubs should adjust numbers to ensure fair racing
- Adjustment is carried out by less than 15% of clubs returning
- Adjustment process is too complicated
- Few club handicap officers want to be unpopular by adjusting numbers



How the data is currently used

Description	nu	a	b	np	PY	pr	SY	sr	Club	14	S	2	A
										PC	w	y	
	850	1	13	850	14	1	10	1.0006	GRAFHAM WATER SAILING CLUB	PE2	L	2006	
	850	1	3	850	14	1.002	9	0.9971	NORTHAMPTON SAILING CLUB	NN7	L	2006	
FOILED	850	1	4	800	6	1	3	1	POOLE YACHT CLUB	BH1	H	2006	
	850	1	6	850	9	1	8	1	ROYAL LYMINGTON Y C	SO4	H	2006	
	850	1	4	780	16	1.005	15	0.9966	CHEW VALLEY LAKE SAILING CLUB	BS9	L	2007	
	850	1	14	850	11	1	3	1	DOWNS SC	CT1	S	2007	
	850	1	13	850	13	1.000	11	1.0009	GRAFHAM WATER SAILING CLUB	PE2	L	2007	
	850	1	1	850	5	0.998	4	1.0007	WAVENEY & OULTON BROAD Y C	NR3	H	2007	
	850	1	3	850	8	1.004	4	1	RUTLAND S C	LE1	L	2008	
	850	1	3	850	11	0.999	7	1.0038	WHITEFRIARS S C	GL5	L	2008	

Year	Clubs	Boats	Races	Cal
2004	3	3	44	850.00
2005	6	6	165	875.66
2006	4	4	26	842.31
2007	4	4	32	841.25
2008	2	2	6	850.00

Last Year 850 R 14 S 2 A

				14	S	2	A
2006 Tot Cal	867.17	854.96	Var PY	865.88			
2007 Tot Cal	866.83	848.48	Var SY	865.42			
2008 EFN	64						
2008 Tot Cal	842.50	845.54					



14 – S 2 A - 850 Recorded Number

nu	a	b	np
850	1	13	850
850	1	3	850
850	1	4	800
850	1	6	850
850	1	4	780
850	1	14	850
850	1	13	850
850	1	1	850
850	1	3	850
850	1	3	850



14 – S 2 A - 850 Recorded Number

Year	Clubs	Boats	Races	Cal
2004	3	3	44	850.00
2005	6	6	165	875.66
2006	4	4	26	842.31
2007	4	4	32	841.25
2008	2	2	6	850.00
Last Year	850	R	14	S 2 A



So.....

Either the scheme works perfectly

OR

Few clubs are using the scheme to its
potential



In summary

The RYA need more data of a higher quality

And

The Clubs need an easier method of returning their data

And

For the PN list to be more meaningful, it needs more clubs to carry out adjustment



Club Number Adjustment

If a club is going to adjust numbers, it will need more information and guidance to give it the confidence to move away from the established PN list published by the RYA.

www.pys.org.uk

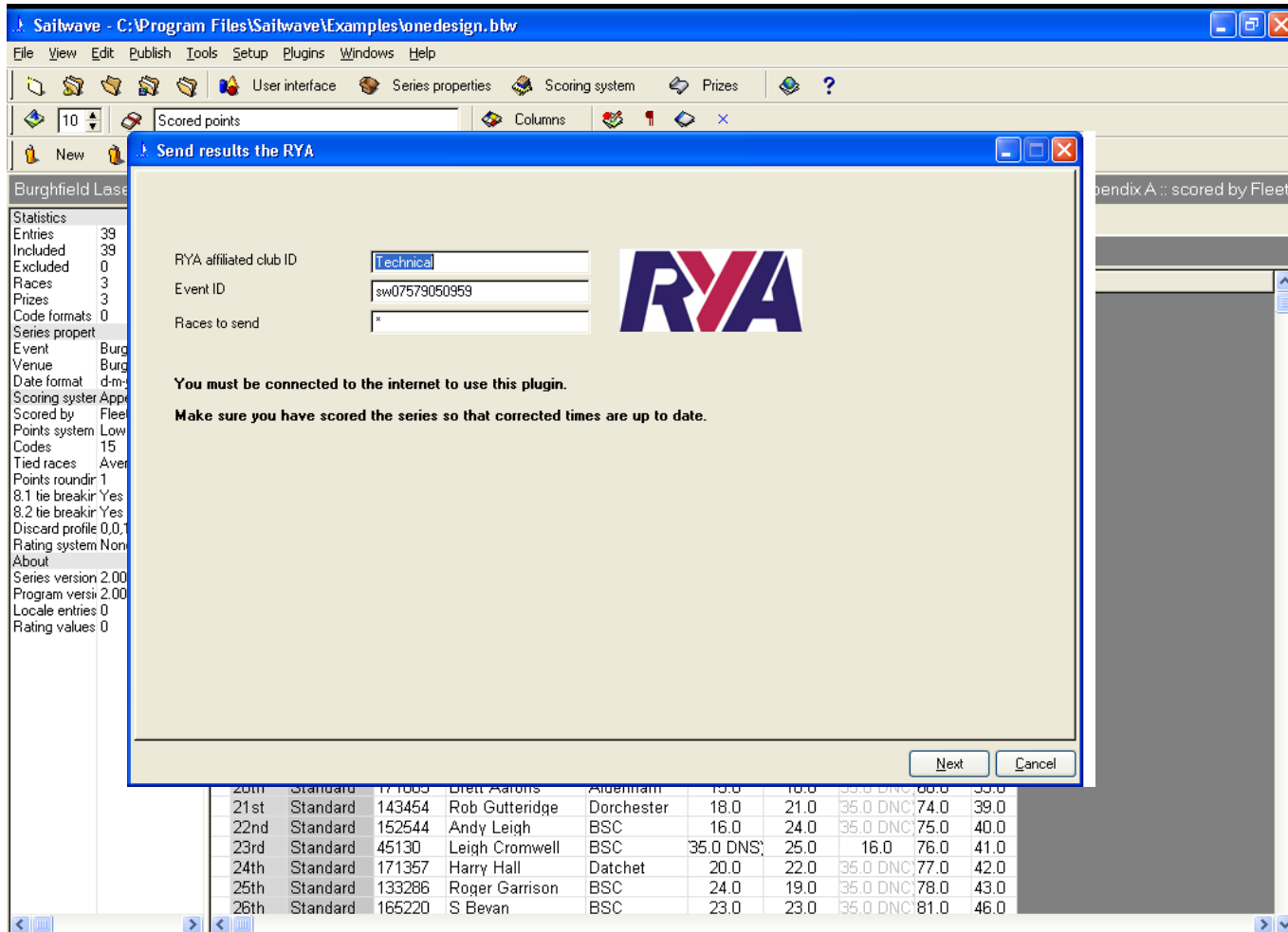


How does it work?

- Takes an XML file from race results packages which is uploaded and dedicated to that club
- Club finds file and follows through the analysis procedure and online instructions
- There remains some subjectivity in the analysis but if the club decides to ignore this then the analysis is not adversely affected
- Builds up club return as data is entered

www.pys.org.uk

Step 1 – Upload your results



Send results the RYA

RYA affiliated club ID:

Event ID:

Races to send:

RYA

You must be connected to the internet to use this plugin.

Make sure you have scored the series so that corrected times are up to date.

Next Cancel

20th	Standard	171085	Brett Arlons	Ardenham	19.0	18.0	35.0 DNC	80.0	39.0
21st	Standard	143454	Rob Gutteridge	Dorchester	18.0	21.0	35.0 DNC	74.0	39.0
22nd	Standard	152544	Andy Leigh	BSC	16.0	24.0	35.0 DNC	75.0	40.0
23rd	Standard	45130	Leigh Cromwell	BSC	35.0 DNS	25.0	16.0	76.0	41.0
24th	Standard	171357	Harry Hall	Datchet	20.0	22.0	35.0 DNC	77.0	42.0
25th	Standard	133286	Roger Garrison	BSC	24.0	19.0	35.0 DNC	78.0	43.0
26th	Standard	165220	S Bevan	BSC	23.0	23.0	35.0 DNC	81.0	46.0



Race Results Packages

There is now an automatic upload function from the following race results packages;

- SailWave
- Hal
- Sail100



Step 2 – Login to www.pys.org.uk

The screenshot shows a web browser window titled "RYA Portsmouth Yardstick Scheme - Windows Internet Explorer". The address bar shows "http://www.pys.org.uk/default.asp". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The main content area features a red header with the RYA logo and "Portsmouth Yardstick" text. Below the header is a navigation menu with links: "HOME", "Clubs", "Submit Results", "Yardsticks", "Your Results", and "Your Return". A "CLUB MENU" dropdown is also visible. The main content area is titled "RYA Portsmouth Yardstick Scheme" and "Introduction". It contains a "Login" section with fields for "Email" and "Password", and buttons for "LOGIN" and "Retrieve Password". A "Register" link is also present. The page ends with a "LATEST RESULTS" section. The status bar at the bottom shows "Done, but with errors on page." and "Internet" with a 100% zoom level.



Step 3 – Select race for analysis

RYA Portsmouth Yardstick Scheme - Windows Internet Explorer
http://www.pys.org.uk/import.asp

File Edit View Favorites Tools Help

RYA Portsmouth Yardstick Scheme

RYA Yardstick

HOME Clubs Submit Results Yardsticks Your Results Your Return

CLUB MENU

RYA Portsmouth Yardstick Scheme Import Results

?

Stage 1 Import your results Stage 2 Review your data Stage 3 Confirm Benchmarks Stage 4 Process handicaps

Select which race to process

	File Date	Race Nos.
<input checked="" type="radio"/>	8/12/2008	1
<input type="radio"/>	8/12/2008	2
<input type="radio"/>	8/12/2008	3
<input type="radio"/>	8/12/2008	4
<input type="radio"/>	8/12/2008	5

Done Internet 100%

Step 4 – Confirm configuration

RYA Portsmouth Yardstick Scheme - Windows Internet Explorer

http://www.pys.org.uk/confirmresults.asp

File Edit View Favorites Tools Help

RYA Portsmouth Yardstick Scheme

Stage 1 Import your results

Stage 2 Review your data

Stage 3 Confirm Benchmarks

Stage 4 Process handicaps

Review your results and configurations

Frostbite AM 2008 (5 to qualify) - START1 - 10/12/2008- Race 1 (#4422)

Toggle cruiser configs

RANK	SAILNO	HELM	CLASSTYPE	PY	ELAPSED	CORRECTED	PERSONS	RIG	SPIN	USE
1	2082	Bob Bellfield	OK	1110	3804	3427	1	U	0	YES
2	909	Dave Sweet	RS 200	1059	3644	3441	2	S	A	YES
3	1289	Paul Kerley	PHANTOM	1043	3600	3452	1	U	0	YES
4	1160	Pete Barnstable	PHANTOM	1043	3674	3523	1	U	0	YES
5	904	Mike Riley	RS 200	1059	3764	3554	2	S	A	YES
6	1114	Simon Chapman	PHANTOM	1043	3738	3584	1	U	0	YES
7	14941	Derian Scott	FIREBALL	982	3530	3595	2	S	C	YES

Done, but with errors on page.

Internet 100%



Step 4 – Confirm configuration results and configurations

Qualify) - START1 - 10/12/2008- Race 1 (#4422)

Toggle cruiser configs

CLASSTYPE	PY	ELAPSED	CORRECTED	PERSONS	RIG	SPIN	USE
OK	1110	3804	3427	1 ▾	U ▾	0 ▾	YES ▾
RS 200	1059	3644	3441	2 ▾	S ▾	A ▾	YES ▾
PHANTOM	1043	3600	3452	1 ▾	U ▾	0 ▾	YES ▾
PHANTOM	1043	3674	3523	1 ▾	U ▾	0 ▾	YES ▾
RS 200	1059	3764	3554	2 ▾	S ▾	A ▾	YES ▾
PHANTOM	1043	3738	3584	1 ▾	U ▾	0 ▾	YES ▾
FIREBALL	982	3530	3595	2 ▾	S ▾	C ▾	YES ▾



Step 5 – Choose your Benchmark

RYA Portsmouth Yardstick Scheme - Windows Internet Explorer

http://www.pys.org.uk/benchmark.asp?id=4422

File Edit View Favorites Tools Help

RYA Portsmouth Yardstick Scheme

Stage 1 Import your results Stage 2 Review your data Stage 3 Confirm Benchmarks Stage 4 Process handicaps

Review your results and configurations

Stage 3 - Benchmarking

The ticked classes are the preferred classes to be used for calculation of your number adjustment.

If you wish to override this, please click on the boxes of the classes you wish to use.

Bear in mind that choosing classes other than the preferred ones may reduce the quality of your Number Adjustments.

- RS200(2|S|A|)
- FIREBALL(2|S|C|)
- PHANTOM(1|U|0|)
- RS400(2|S|A|)
- RS800(2|S|A|)

Done Internet 100%



Benchmarking

- Different to the Specimen races in YR2
- Is more flexible for clubs with smaller fleets
- Is a “rank” x no. of type of boat multiplier
- A consistent boat is more likely to be selected
- Clubs can select a BM class per race or for all races



Step 6 – Review your handicaps

Races imported

Date Range : to

Class Type	21/11/2010 #14460	02/01/2011 #15197	09/01/2011 #15199	23/01/2011 #15200	23/01/2011 #15201	Average
12FT SKIFF(2 S A) More..	929 (1boats)					923 (7boats)
18FT SKIFF(3 S A) More..						764 (1boats)
2.4(1 S 0) More..						1250 (3boats)
29ER(2 S A) More..	987 (5boats)					905 (41boats)
420(2 S C) More..						1087 (15boats)
470(2 S C) More..	948 (1boats)					956 (4boats)
49ER(2 S A) More..					756 (1boats)	758 (60boats)
505(2 S C) More..	903 (2boats)					903 (7boats)
ALTO(2 S A) More..	881 (1boats)					900 (5boats)
B14(2 S A) More..				916 (1boats)	895 (1boats)	870 (17boats)
BLAZE(1 U 0) More..	1006 (7boats)					1030 (5boats)
BUZZ(2 S A) More..						988 (3boats)
CADET(2 S C) More..						1325 (12boats)
CHERUB(2 S A) More..						1056 (1boats)



Races imported

Date Range : to
 Oct ▾ 28 ▾ 2007 Jan ▾ 23 ▾ 2011 FILTER

Class Type	21/11/2010 #14460	02/01/2011 #15197	09/01/2011 #15199	23/01/2011 #15200	23/01/2011 #15201	Average
12FT SKIFF(2 S A) More..	929 (1boats)					923 (7boats)
18FT SKIFF(3 S A) More..						764 (1boats)
2.4(1 S 0) More..						1250 (3boats)
29ER(2 S A) More..	987 (5boats)					905 (41boats)

Done, but with errors on page.



Club Decisions

- Website still requires a subjective view from the club – there is no getting around this!!
- Number Adjustment Policy required for clubs on how to implement the new scheme within a clubs racing schedule.

VERY IMPORTANT!!



Race Management Issues

- Standardise clauses for the NOR/SI for use of the PYS – YR2 needs updating to reflect the website developments
- E Numbers – management of
- Discuss whether a club needs a formal adjustment policy within the race management structure



Race Management Issues

- No collection of boat configuration at sign on stage.
- YR2 out-dated in its advice
- Specimen races too difficult to understand
- No formal advice on what clubs should do with the data



What does the club get?

- Race results and reports on a variety of websites for members to view.
- A club PN list which is relevant to ITS own boats racing on ITS own waters.
- New boats are more accurately and efficiently recorded within a club fleet
- A downloadable PY return at the end of the year.



What does the RYA get?

- More accurate data
- Adjusted numbers being returned
- A more dynamic PN list
- A dedicated results website for Portsmouth Yardstick club racing
- Offer cruising clubs an alternative service to IRC
- Searchable database of results and boats which can be accessed at any time



Future Developments

- Crew Skill Factor
- Water dependant lists – Lake vs Open Sea
- Wind speed lists
- Target areas where PY / Racing could be developed



Questions?

www.pys.org.uk