

COURSE BOOK







SINGAPORE MANAGEMENT UNIVERSITY

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Regatta Chairmen

Ray Parry, Raffles Marina Kenneth Tan, SMU

Regatta Advisors

Gordon Maxted, Raffles Marina Justin Koh, Raffles Marina Jinella Chua, SMU Fidelis Tan, SMU

Race Secretariat

Clement Lim



Organising Committee

Chairman: Loh Wan Yu Vice-chairman: Chantel Ng

SMU Sailing Club

Programmes Directors:

Sng Jia Ping, Germaine Lim, Jodie Ng

Logistics Directors:

Alison Chia, Ashmita Padia

Marketing Directors:

Janicia Lim, Mothikumar Mohanan

Media Directors:

Ko Yumei, Lee Cheryl, Kimberly Lim

Manpower & Community Service Directors:

Tan Dexun, Cherise Lei

SMU Windsurfing Club

President: Chan Chun Leong

Vice-president: Wee Zi Feng

Programmes Director: Natasha Chng Yuru

Logistics Director: Darrel Loo Wai Hong

Marketing Director: Valerie Lim Yue Ling

Manpower Director: Loh Jia Wei

Media Director: Teo Jao Wei



Principal Race Officer

Richard Cai

IRC A & B, PY

Chief Race Officer

Siew Shaw Her

Asst. Chief Race Officer

Jerrold Ng Wei

Assistant Race Officers

Dale Ho Shen Hai Matthew Ong Nicole Ong

Windsurfing

Chief Race Officer

Rasdeen Bin Mohamed Ali

Asistant Race Officer

Kevin Quek Fernie Ng Hui Fen Sarah Low May Tin Multihull, SB20, J/24

Chief Race Officer

Prakash Reddy

Asst. Chief Race Officers

Wong Ming Chee

Assistant Race Officers

Low Weng Kong

Joel Neo

Stephanie Soh Wan Ping

Andria Tay

Kong Yuen Loong

James Tan Lee Hock

Access 2.3

Chief Race Officer

Abdul Hadi Bin Bashir

Asst. Chief Race Officer

Tay Chye Liang

Race Advisor

David Tham



Protest Committee

Chairman

Lock Hong Kit Teo Wee Lee

Protest Committee Members

Khoo Boo San (Consultant) David Tham (Advisor) Kira Pecherska

PY Handicapping Committee

Justin Koh See Ghee Gordon Maxted

Regatta Safety Officer

Ong Shean Boon

Regatta Photographers

Howie Choo Victor Lim Stanley Chee William Ong

Regatta Videographer

Vairam Gopalakrishnan





AUGUST 2016

Hourly Tidal Heights
Heights in Metres
West Tuas
Lat 01 20.7N' Long 103 38.0'E

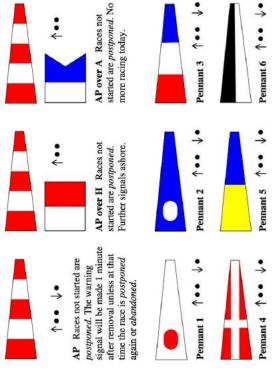
300	23	3.2	3.4	3.3	3.1	2.5	2.0	1.5	1.1	1.0	1.0	1.1	1.4	1.7	2.2	2.6	3.0	3.3	3.4	3.3	2.8	2.0	1.3	8.0	9.0	0.7	1.0	1.5	2.1	2.7	3.1	3.2
Zone +0800		3.2					1.2	6.0	8.0	8.0	1.0	1.2	1.6	2.0	2.4	2.8			3.0						9.0				2.5			3.1
Time Zo		5.9							0.7					2.2					2.2			9.5	4.0	4.0	0.7	1.1			2.7			2.5
-		2.3							8.0					2.3					1.4						1.0				2.7			1.7
		1.6							1.0					2.4					0.9						1.4				2.6			1.0
		1.1							1.4					2.3					0.7						2.0				2.2			8.0
	800		_						-		14			. 4	14			_	_						14					-		Ü
	17	6.0	8.0	8.0	6.0	1.1	1.4	1.7	2.0	2.2	2.4	2.4	2.3	2.1	1.7	1.3	1.0	0.8	0.7	0.7	6.0	1.3	1.7	2.2	2.5	2.7	2.7	2.4	1.8	1.2	6.0	0.8
	16	6.0	6.0	1.1	1.3	1.7	2.0	2.2	2.4	2.5	2.5	2.4	2.2	1.8	1.4	1.1	6.0	8.0	6.0	1.1	1.5	2.0	2.4	2.7	2.8	2.8	2.5	2.0	1.4	1.1	6.0	6.0
	15	1.0	1.2	1.6	1.9	2.2	2.4	2.6	2.6	5.6	2.5	2.3	1.9	1.6	1.3	1.1	1.0	1.1	1.3	1.7	2.2	2.6	2.8	5.9	5.9	2.7	2.2	1.6	1.2	1.1	1.0	11
	14	1.4	1.8	2.1	2.4	2.5	2.6	2.7	2.7	2.5	2.2	1.9	1.6	1.3	1.2	1.2	1.3	1.5	1.9	2.3	5.6	5.9	3.0	5.9	2.7	2.2	1.7	1.3	1.2	1.2	1.3	1.6
	13	1.8	2.2	2.5	5.6	5.6	2.6	2.6	2.4	2.1	1.7	1.5	1.3	1.2	1.3	1.4	1.7	2.0	2.4	2.7	2.8	2.9	5.9	5.6	2.1	1.6	113	1.2	1.2	1.4	1.8	2.2
	12	2.2	2.4	2.5	2.5	2.5	2.3	2.0	1.7	1.4	1.2	1.1	1.1	1.2	1.4	1.7	2.0	2.4	5.6	2.7	2.8	2.7	2.3	1.8	1.4	11	1.1	1.2	1.4	1.8	2.2	2.5
	11	2.4	2.4	2.4	2.2	2.0	1.6	1.2	1.0	6.0	6.0	1.0	1.1	1.3	1.6	1.9	2.2	2.4	2.6	5.6	2.4	1.9	1.4	1.0	8.0	8.0	1.0	1.2	1.6	2.0	2.4	2.5
	10	2.3	2.2	1.9	1.5	1.1	9.0	9.0	9.0	9.0	8.0	6.0	1.2	1.4	1.7	2.0	2.2	2.3	2.2	2.0	1.5	1.0	9.0	0.5	9.0	8.0	1.0	1.4	1.8	2.2	2.3	2.3
	60	2.0	1.6	1.2	0.7	0.5	4.0	0.5	9.0	0.7	8.0	1.0	1.3	1.6	1.8	5.0	2.0	1.9	1.6	1	0.7	6.0	0.4	0.5	9.0	6.0	1.2	1.6	1.9	2.1	2.0	1.9
	80	1.5	6.0	0.5	0.3	4.0	0.5	9.0	0.7	8.0	1.0	1.2	1.5	1.6	1.7	1.7	1.6	1.3	8.0	0.5	0.3	0.3	4.0	9.0	8.0	1.1	1.5	1.8	1.9	1.8	1.6	1.1
	0	6.0	0.4	0.3	0.4	0.5	9.0	0.8	6.0	1,1	1.3	1.5	1.6	1.7	1.6	1.4	Ξ	0.7	0.5	0.4	6.0	0.5	9.0	6.0	1.2	1.5	1.8	1.9	1.8	1.4	1.0	0.5
	90	0.5	4.0	0.5	9.0	8.0	6.0	1:1	1.3	1.6	1.8	1.8	1.8	1.6	1.4	1:1	0.7	0.5	0.5	0.5	9.0	0.7	1.0	1.3	1.7	2.0	2.1	1.9	1.5	1.0	0.5	0.3
	9	0.5	0.5	0.7	6.0	1.1	1.4	1.7	1.9	2.1	2.2	2.0	1.8	1.6	1.2	6.0	9.0	9.0	0.7	0.7	6.0	1.2	1.6	2.0	2.3	2.4	2.2	1.8	1.2	0.7	0.4	0.5
	8	9.0	8.0	1.0	1.3	1.7	2.0	2.3	2.5	2.5	2.4	2.2	1.8	1.5	1.1	0.8	0.7	0.8	6.0	=	1.4	1.9	2.3	2.7	2.7	2.5	2.1	1.5	6.0	9.0	9.0	0.7
	03	6.0	1.2	1.5	2.0	2.4	2.7	2.9	2.9	2.8	2.5	2.1	1.7	1.3	1.0	6.0	1.0	1.1	1.3	1.7	2.2	2.6	3.0	3.1	5.9	2.5	1.9	1.2	0.8	0.7	6.0	=
	05	1.3	1.7	2.2	2.7	3.0	3.1	3.2	3.0	2.7	2.3	1.9	1.5	1.2	11	1.1	1.3	1.5	1.9	2.4	5.9	3.2	3.3	3.2	2.8	2.1	1.5	1.0	0.8	6.0	1.2	1.6
	10	1.8	2.3	2.8	3.1	3.3	3.3	3.2	5.9	2.4	1.9	1.5	1.2	1.1	1.2	1.4	1.7	2.1	5.6	3.0	3.3	3.5	3.4	5.9	2.2	1.5	1.0	8.0	1.0	1.3	1.7	2.2
	8	2.3	5.9	3.2	3.4	3.4	3.2	2.8	2.3	1.8	1.4	1.1	11	1.2	1.5	1.8	2.2	2.7	3.1	3.4	3.5	3.4	2.9	2.2	1.5	6.0	0.7	6.0	1.2	1.7	2.2	2.7
				•								A							0							\forall						
	DAY/HR	-	7	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	53	30	31

Race Signals

RACE SIGNALS

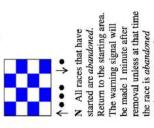
The meanings of visual and sound signals are stated below. An arrow pointing up or down (↑ ↓) means that a visual signal is displayed or removed. A dot (•) means a sound; five short dashes (----) mean repetitive sounds; a long dash (--) means a long sound. When a visual signal is displayed over a class flag, the signal applies only to that class.

Postponement Signals



AP over a numeral pennant 1-6 Postponement of 1-6 hours from the scheduled starting

Abandonment Signals





abandoned. No more racing Nover A All races are today.

abandoned. Further signals Nover H All races are

•••

:

Preparatory Signals

19 misnicapore manacement university and control of the state of the control of the state of the













in effect.

I Rule 30.1 is

P Preparatory

signal.

| | |-|

in effect.

Recall Signals

Shortened Course







S The course has

First Substitute General recall. The warning signal will be made

X Individual recall.

• •

minute after removal.



Changing the Next Leg









to increase the length of the leg.

to decrease the length of the leg;

to port;

to starboard;

C The position of the next mark has been changed:

Other Signals





Y Wear a personal flotation device.

Blue flag or shape. This (punos ou

race committee position at the boat is in

signal replaces a

Afloat: Come within

hail or follow this

M The object displaying this missing mark.

L Ashore: A notice

to competitors has

been posted.

inishing line.

Course Flags



COURSE	FLAG
1	
2	
3	
4	
5	
6	

Course Flags – Keelboats



CLASS	FLAG
IRC A ('E' Flag)	
IRC B ('G' Flag)	
PY ('V' Flag)	
SB20 (`R' Flag)	
J/24 (`K' Flag)	
Beach Catamaran	
Trimaran	

Starting Sequence

Starting Sequence of races will follow the order as shown above with starts being rolling starts unless dictated otherwise by race committee through communications across VHF.

Course Flags – Windsurfing



CLASS	FLAG
NeilPryde RSOne ('F' Flag)	
4.0m ² Women's Novice 4.0m ² Men's Novice 4.7m ² Women's Intermediate ('J' Flag)	
5.5m ² Men's Intermediate 6.2m ² Mixed ('O' Flag)	

Starting Sequence

Starting Sequence of races will follow the order as shown above with starts being rolling starts unless dictated otherwise by race committee through communications across VHF.

IRC A & B, PY – Course 1-2



Course	Route	Time Limit (Min utes)
1	Start – M1 – M2 – M1 – Finish	90
2	Start - M1 - M2 - M1 - M2 - M1 - Finish	90

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.

Start

Between a staff displaying an orange flag on Committee Boat with **Raffles Marina Flag** & Pink round buoy

M1

Large Orange cylindrical buoy

M2

Orange conical buoy with Blue cover

Finish

Between a staff displaying a blue flag on Committee Boat with **Raffles Marina Flag** & Pink round buoy







BOAT

IRC A & B, PY – Course 3



Course	Route	Time Limit (Min utes)
3	Start – Merambong – Pink Buoy – Merambong – Pink Buoy – Merambong – Finish	90

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.

Start

Between a staff displaying an orange flag on Committee Boat with **Raffles Marina Flag** & Pink round buoy

Finish

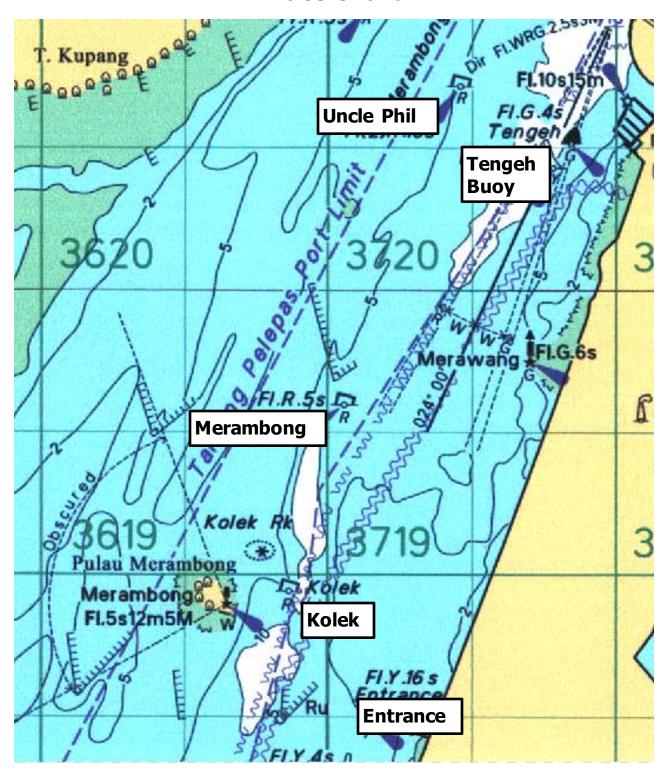
Between a staff displaying a blue flag on Committee Boat with **Raffles Marina Flag** & Pink round buoy





IRC A & B, PY – Courses 1-3





IRC A & B, PY - Course 4



Course		Time Limit (Min utes)		
	Start	Between a staff displaying an orange flag on Committee Boat with Raffles Marina Flag and Pink round buoy		
	Alert Shoal buoy	Keep to port	Lat 1°17′00 N Long 103°36.40′ E	
4	TVE 5 Buoy (gate)	Round to starboard	Lat 1°13.10′N Long 103°36.30′E	180
	P21 buoy (gate)	•	Lat 1°15.85′N Long 103°36.00′E	
	Alert Shoal buoy	Keep to starboard	Lat 1°17.00′N Long 103°36.40′E	
	Finish	Between a staff displaying a blue flag on Committee Boat and Blue round buoy.		Approx. 12 NM

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.

If less than 30% (rounded up to the nearest whole number) of a class reach the Finish line (or shorten course finish) within the time limit, then the race committee may take all places for that class from the previous mark.

IRC A & B, PY – Course 4





IRC A & B, PY - Course 5



Course		Route		Time Limit (Min utes)
	Start	Between a staff displaying an orange flag on Committee Boat with Raffles Marina Flag and Pink round buoy		
	Alert Shoal buoy	Keep to Port	Lat 1°17.00′N Long 103°36.40′E	
	TVE 5 buoy (gate)	Round to Port	Lat 1°13.10′N Long 103°36.40′E	
5	P21 buoy (gate)	Round to Port	Lat 1°12.60′ N Long 103° 38.20′ E	240
	TVE 5 buoy (gate)	Round to Starboard	Lat 1°13.10′N Long 103°36.30′E	
	Alert Shoal buoy	Keep to Starboard	Lat 1°17.00′N Long 103°36.40′E	
	Finish	Between a staff displaying a blue flag on Committee Boat and Blue round buoy		Approx. 20 NM

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

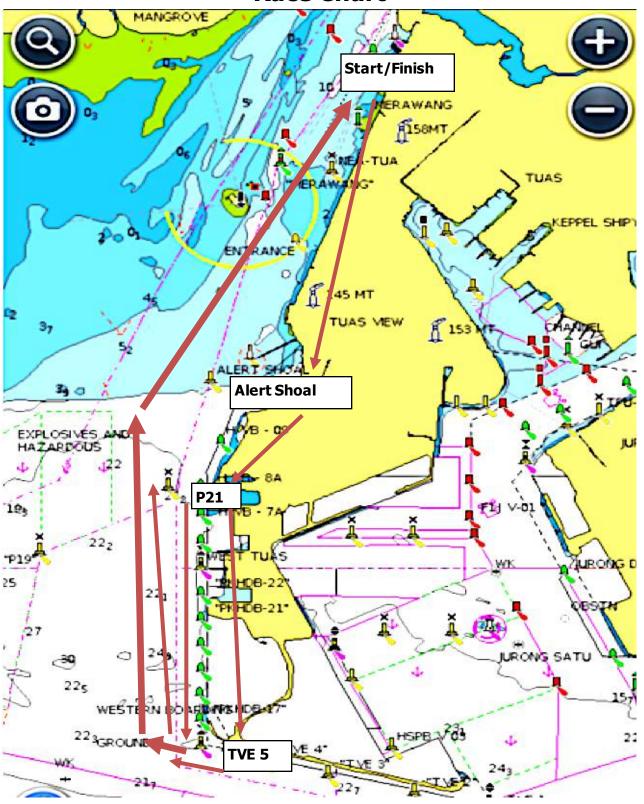
Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.

If less than 30% (rounded up to the nearest whole number) of a class reach the Finish line (or shorten course finish) within the time limit, then the race committee may take all places for that class from the previous mark.

17

IRC A & B, PY — Course 5





IRC A & B, PY – Course 6



Course		Route		Time Limit (Min utes)
	Start	Between a staff displaying an orange flag on Committee Boat with Raffles Marina Flag and Pink round buoy		
	Alert Shoal buoy	Keep to Port	Lat 1°17.00′N Long 103°36.40′E	
	TVE 5 buoy (gate)	Round to Starboard	Lat 1°13.10′N Long 103°36.30′E	
6	Alert Shoal buoy	Round to Port	Lat 1°17.00′N Long 103°36.40′E	240
	TVE 5 buoy (gate)	Round to Starboard	Lat 1°13.10′N Long 103°36.30′E	
	Alert Shoal buoy	Keep to Starboard	Lat 1°17.00′N Long 103°36.40′E	
	Finish	Between a staff displaying a blue flag on Committee Boat and Blue round buoy		Approx. 20 NM

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

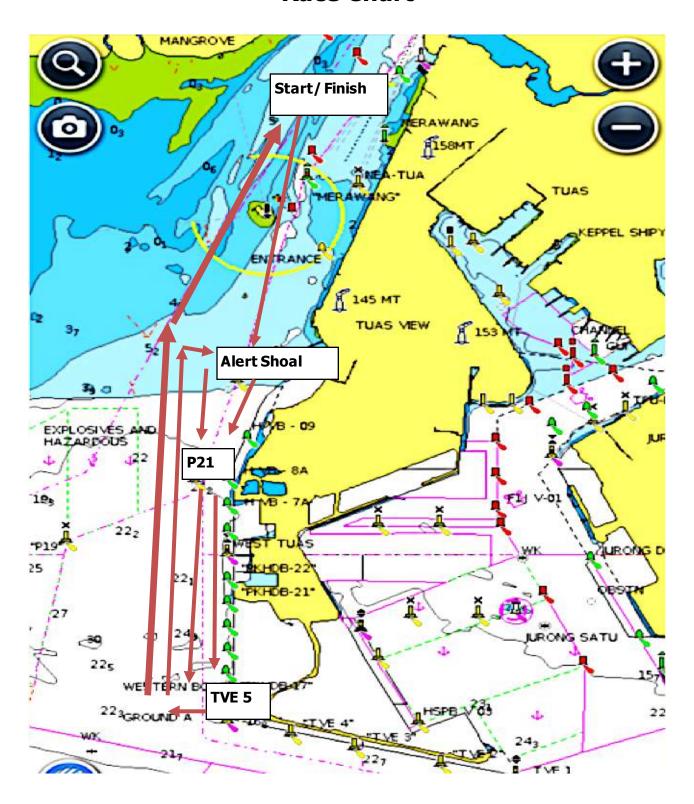
Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.

If less than 30% (rounded up to the nearest whole number) of a class reach the Finish line (or shorten course finish) within the time limit, then the race committee may take all places for that class from the previous mark.

19

IRC A & B, PY – Course 6





Multihull, SB20, J/24 – Course 1-2



Course	Route	Time Limit (Min utes)
1	Start – M1 – M2 – M1 – Finish	90
2	Start - M1 - M2 - M1 - M2 - M1 - Finish	90

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.

Start

Between a staff displaying an orange flag on Committee Boat with **SMU Flag** & Pink round buoy

<u>M1</u>

Large Orange cylindrical buoy

<u>M2</u>

Orange conical buoy with Blue cover

Finish

Between a staff displaying a blue flag on Committee Boat with **SMU Flag** & Pink round buoy







START / FINISHING BOAT

Multihull, SB20, J/24 - Courses 3-6



Course	Route	Time Limit (Min utes)
3	Start – Kolek – Entrance – Finish	90
4	Start – Merambong – Tengeh Buoy – U. Phil – Merambong – Finish	120
5	Start – Kolek – Entrance – U. Phil – Merambong – Finish	120
6	Start – Kolek – Tengeh Buoy – U. Phil – Kolek – Finish	120

Start

Between a staff displaying an orange flag on Committee Boat with **SMU Flag** & Pink round buoy

<u>Finish</u>

Between a staff displaying a blue flag on Committee Boat with **SMU Flag** & Pink round buoy

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.







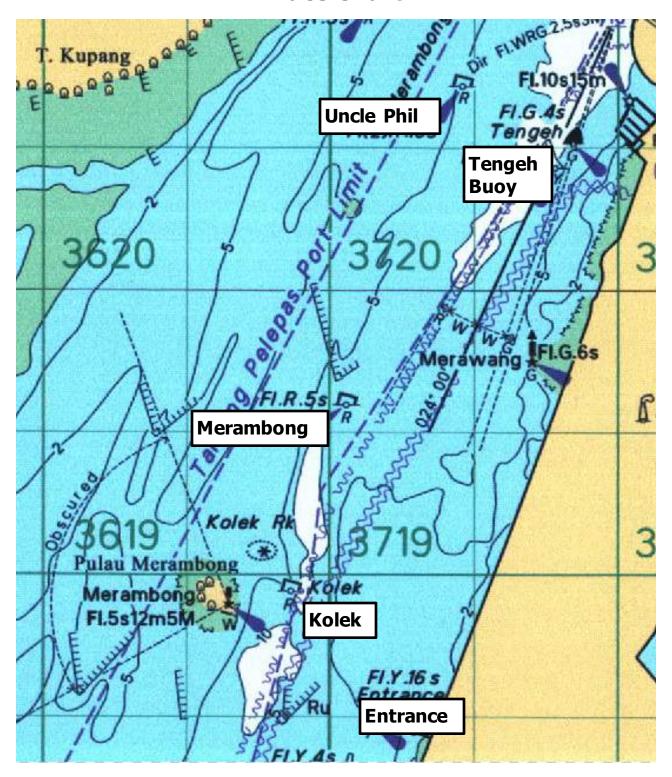
START / FINISHING BOAT





Multihull, SB20, J/24 – Courses 1-6





Windsurfing – Courses 1-2



Course	Route	Time Limit (Min utes)
1	Start – M1 – M2 – M1 – Finish	40
2	Start - M1 - M2 - M1 - M2 - M1 - Finish	40

Remarks:

Round all marks to Port unless otherwise stated.

Time limit:

Boats failing to finish within the time limit or 30mins after the third boat of that class sails the course and finishes, whichever is longer will be scored "Did Not Finish". This changes rules 35 and A4.

М1

<u>Start</u>

Between a staff displaying an orange flag on Committee Boat with & Pink round buoy

M1

Small Orange cylindrical buoy **M2**

Orange Conical buoy with Red cover

Finish

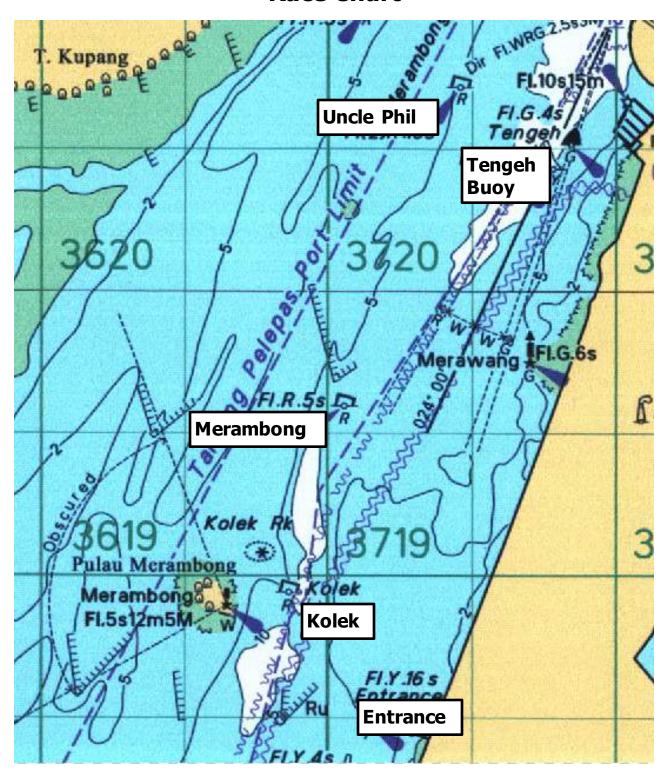
Between a staff displaying a blue flag on Committee Boat with & Pink round buoy





Windsurfing – Courses 1-2





SMU Sailing





About SMU Sailing

The SMU Sailing Club was founded in 2004 by a group of friends who enjoyed nothing more than to be out on the water together. Years later, the club has grown to accommodate an expanded fleet of boats and membership but our sailors have always kept our underlying principles of friendship, teamwork and passion while creating waves in the sailing community all around the world.

With the invaluable support of Singapore Management University's (SMU) Office of Student Life, SMU Sailing has gone where no other university sports club has gone before. Over the years we have made many friends of sailing and have impressed sailors from all over the world with our enthusiasm, passion and eagerness to learn from the sport.

Being a university sports club, SMU Sailing is focused on the development of leadership qualities in our sailors through the numerous opportunities to organize, plan and run events. We aim to enhance the critical skills that sailors learn on the water so that they can apply them in the corporate world.

The SMU Sailing club continues to grow from strength to strength as we recruit both experienced and non experienced sailors from the SMU community annually. The club competes regularly in many local regattas as well as regattas held in Thailand, Malaysia and Indonesia. In addition, team also travels to China and Europe for major regattas.

Above all, the SMU Sailing club is more than just a sports team. We are a family. Visit us at http://smusailing.com/.

SMU Windsurfing





About SMU Windsurfing

SMU Windsurfing Club was founded in 2004, and has since grown to be one of the top tertiary teams in Singapore. Its vision is to be the leading windsurfing club in Singapore, recognised for inclusivity, vibrancy, and excellence. To that end, the club constantly strives to bring the amazing experience of windsurfing to the SMU community and beyond.

With the help and support from Singapore Management University's Office of Student Life, as well as the Students' Sports Union, SMU Windsurfing strives to continually be the leading tertiary windsurfing club in Singapore, as well as to expose the SMU community to windsurfing.

With a committed and tightly knitted team of less than 25 members, SMU Windsurfing had worked hard to clinch the Inter Tertiary Championship title in 2013 and 2014, and is determined to clinch the title again during the upcoming 19th Western Circuit Sailing Regatta.

Beyond racing, SMU Windsurfing also builds the team's character and leadership skills by exposing them to various opportunities.

Visit us at facebook.com/SMUWindsurfing

Raffles Marina





About Raffles Marina

Think of that nautical lifestyle, of marine leisure sports, and you automatically think of Raffles Marina, with its world-class hardware, its superlative facilities and supremely professional managers. Raffles Marina is a first class, full service boating haven with the trappings of a prestigious country club and all pleasures of a quality resort.

Megayacht berthing is available- in fact, Raffles Marina is the only marina facility in Asia that caters specifically to the exacting needs of the megayacht community. Protected by a solid breakwater, the minimum depth alongside is 10 metres while the approach channel has a minimum depth of 5 metres at low tide. This enables yachts to berth with us at all times. Shore power services, freshwater supply, TV antennae connectors and telecommunication access are also available.

Our walk-on berths can accommodate boats of up to 65 feet while the Boathouse has 208 dry-berths for boats of up to 35 feets.

In addition, when you berth with us, you will also enjoy our clubhouse facilities. There are bowling, gymnasium, guestrooms, restaurants and pub –just to name a few. Make Raffles Marina your gateway to a new adventure today... and everyday.



13 | 14 | 20 AUGUST

Organized by:





Sponsored

by:







claude bernard

Sanctioned by:

