

## Suggestions to improving tennis regulations

Rules and regulations occur in all sports. This articles gives suggestions to improving tennis regulations in court surface, heat rule, tennis formats, scoring systems and the challenge system. Corresponding links are given for further information to each regulation.

Item	Suggestions	Links	Refs
Court Surface	<ul style="list-style-type: none"> <li>• Increase the number of grass court tournaments on the tour.</li> <li>• This could be achieved by increasing the time frame between the French Open and Wimbledon.</li> <li>• Rotate surfaces annually at the Masters Cup between grass, hard and clay.</li> </ul>	<a href="http://strategicgames.com.au/article7.pdf">http://strategicgames.com.au/article7.pdf</a> <a href="http://strategicgames.com.au/article20.pdf">http://strategicgames.com.au/article20.pdf</a> <a href="http://strategicgames.com.au/article26.pdf">http://strategicgames.com.au/article26.pdf</a>	[1] [2] [3]
Heat Rule	<ul style="list-style-type: none"> <li>• Incorporate predicted match duration in the heat rule policy.</li> </ul>	<a href="http://strategicgames.com.au/article24.pdf">http://strategicgames.com.au/article24.pdf</a>	[4]
Tournament Formats	<ul style="list-style-type: none"> <li>• Restructure the format used at the Olympic Games to better reflect 'team' performance rather than 'individual' performance.</li> <li>• Introduce a World Cup in tennis that reflects team performance.</li> <li>• Consideration as to whether to keep the World Team Cup, Davis Cup and Federation Cup, given that a World Cup was to be established.</li> </ul>	<a href="http://strategicgames.com.au/article26.pdf">http://strategicgames.com.au/article26.pdf</a>	[3]
Scoring Systems	<ul style="list-style-type: none"> <li>• Men's singles grand slam events: Matches to have a 5<sup>th</sup> set advantage rule, Games to become 50-40 games.</li> <li>• Men's doubles on the main tour (excludes grand slams): Games to become 50-40 games.</li> <li>• Women's doubles on the main tour (excludes grand slams): Games to become 50-40 games.</li> </ul>	<a href="http://strategicgames.com.au/article32.pdf">http://strategicgames.com.au/article32.pdf</a> <a href="http://strategicgames.com.au/article40.pdf">http://strategicgames.com.au/article40.pdf</a>	[5] [6]
Challenge System	<ul style="list-style-type: none"> <li>• Introduce a new challenge system where players can always challenge on a point with a sufficient level of 'importance'.</li> </ul>	<a href="http://strategicgames.com.au/article28.pdf">http://strategicgames.com.au/article28.pdf</a>	[7]

### References

- [1] Barnett T and Pollard G (2007). How the tennis court surface affects player performance and injuries. *Medicine and Science in Tennis*. 12(1), 34-37.
- [2] Barnett T (2010). How the court surface is affecting serve-and-volley. *Journal of Medicine and Science in Tennis* 15(3), 26-28.
- [3] Barnett T (2011). Devising a World Cup in tennis. *Significance* - web exclusive.
- [4] Barnett T (2011). Improving the Australian Open extreme heat policy. *Journal of Medicine and Science in Tennis* 16(1), 5-9.
- [5] Barnett T (2012). Analyzing tennis scoring systems: from the origins to today. *Journal of Medicine and Science in Tennis* 17(2), 68-77.

[6] Barnett T (2014). Some alternative men's grand slam singles scoring systems. Strategic Games.

[7] Barnett T (2011). Challenges with the tennis challenge system. Significance - web exclusive.