

NATIONAL RANKING SYSTEM PROCESS

DOCUMENT INFORMATION

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VERSION CONTROL RECORD

Date	Version	Amendment Summary	Amended by
05/05/2016	1	Original	Farhana Rosli
08/03/2017	2	Overseas Competition updates	EXCO
26/04/2017	8	Updated for Season 2017-2018 and tweak to ranking point formula	EXCO



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BRIEF DESCRIPTION OF RANKING POINT CALCULATION

Points awarded (P) is dependent on a number of values:

$$P = f(D) * f(P)$$

The number of points awarded (P) is a function of the fencer's final placing f(P) and the function of level of difficulty f(D).

D is dependent on the level of the fencers attending the competition. The stronger (higher ranked) they are on the appropriate rankings, the more difficulty they contribute to the competition. In order to get a more accurate picture of a competition's difficulty in situations where there may be many inexperienced fencers mixed together with stronger fencers in a competition, D is calculated from the strongest 64 fencers (by difficulty rating) only. Specifically,

$$D = (\text{Sum of individual fencer difficulties, up to 64 fencers}) / 64$$

If there are less than 64 fencers, the sum of all the fencer difficulties will be used, to be divided by 64.

Ranking Points for a competition will only be awarded if a fencer meets all the following criteria

1. Qualify for DE
2. Within Top 75% of final ranking (*only exception allowed is if FIE ranking points have been awarded although fencer didn't make the FS Top 75% criteria, for example in the FIE Grand Prix, World Cup and Junior World Cup events*)
3. Within Top 128 placing

Points accumulated in the current Season and subsequent seasons will drop off 12 months from the day they were earned, or when the competition where they were earned is held again, whichever is earlier. This is traditionally how a 12-month rolling window works.

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For each competition a fencer participates in that will be used for ranking, Fencing Singapore will need to have an electronic copy of the official results from the competition organizer within 2 weeks after overseas event day that shows the following

- Final results
- Number of participants
- Organizer assigned ranking / seeding

Prior to the start of the season, the FS secretariat will ensure that fencers will have access to a few key things:

- FS compiles a list of allowed competitions before the season starts, or as and when FS is made aware of announcements/updates/changes from the organisers.
- FS make available the most up-to-date local rankings.

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- FS will compute the new season's table of constants and difficulty tables around June/July or after the World Championships.

With these pieces of information in hand, the FS secretariat will be able to accurately and methodically calculate the points awarded for each of the participating Singapore fencers.

In greater detail, the process can be broken down to:

1. Fencer checks that he/she meets the organiser's age criteria, and decides to participate in a competition.
2. Fencer checks with FS secretariat to ensure the competition is allowed by FS for Ranking.
3. If overseas event has a participants limit (e.g. FIE 12, EFC 20, HK Open 8), fencer must email FS secretariat at least 4 weeks before overseas event day (e.g. if event is on 1st Dec 2016, cut-off date will be on 3rd Nov 2016 (2359hr). The selections will be based on:
 - a) Top 6 Singaporeans on 12-months rolling ranking for National Games Squads Selection (i.e. 1+5 rankings)
 - b) Remaining places go to National Training Squads by order of entry ranking every October (based on local ranking competitions)
 - c) Thereafter, open to other Singaporeans by current 12-months rolling ranking for National Games Squads Selection
 - i.e. even to those outside the National Training Squads
4. If an overseas event has been found not included in our overall FS overseas calendar, fencer must email FS secretariat at least 4 weeks before overseas event day.
5. If less than the participants limit has entered, additional names will be on first-come-first served basis, based on web application (e.g. Google Form) time & date stamp.
6. The same rules apply for team events with some minor changes. For tournaments with limited number of teams, interested fencers **must** indicate their interest to FS at least 4 weeks before the event. Dependent on the interest indicated a national team will then be entered as appropriate.
7. The team will be comprised of the top 4 fencers as by the 12-month rolling for National Games Squads Selection (i.e. 1+5 rankings) who expressed interest with the possibility to fill in should any of these fencers pull out (first by fencers who indicated interest ordered by ranking then proceeding onto the other fencers present ordered by ranking)
8. Fencer determines how the sign-up process should go (individually, through the club/school, or through FS).
9. Fencer signs up for the competition (individually or through the club/school) and arrange for transportation and accommodation (individually or through the club/school).
10. Fencer competes in the event.
11. Organizer compiles the official results.
12. Fencer ensures FS has an electronic/pdf copy of the official results and Organizer assigned ranking / seeding information, within two weeks of the completion of the competition.
13. FS will compute the points awarded and update the ranking file only at the beginning of every month.

In computing the points awarded, the FS secretariat will use the following process:

1. Use the organizer's initial seeding / ranking of the actual participants as a base.
2. All registered participants who abandoned their matches or did not show up will not be counted or considered when computing difficulty or participation numbers.



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3. Use the appropriate points from the difficulty table to assign difficulty to each fencer based on the type of competition (e.g. FIE, Cadet, Junior, Senior, Tier 1 thru 5 country, etc.).
4. Thereafter, the secretariat will refine the difficulty for competitions that are NOT under the FIE or EFC (e.g. Local, US, UK, Australia, Hong Kong, etc.):
5. Overseas Competitions: For Singapore fencers AND foreign fencers based in Singapore with a proper Singapore rank, the FS secretariat will use the difficulty associated with the fencer's Singapore ranking or the value derived from the foreign organizer's assigned ranking, whichever is larger.
6. All other fencers in the competition will use the organizer's assigned ranking to compute difficulty.
7. Local Competitions: For Foreign fencers, the difficulty will be the largest value given by the FIE ranking (Seniors and Juniors only), reported overseas ranking (as in the fencer's home country), a local ranking attained (if any), or EFC Cadet ranking.

Should a fencer have any appeals regarding the rankings, it must be emailed to the FS secretariat within the 2 weeks after it has been made available. Such appeals should only be with regard to an error or omission in calculating a given fencer's difficulty, within the context of the process outlined above.