

## Boulder & Lead Summary

### 1. General

The new scoring system will be a performance based system. The final score of the athlete will be a sum of the points collected in Boulder + the points collected in Lead.



### 2. Boulder

- Total score of Boulder round should be 100 points
- TOP is converted into points
- ZONE is converted into points
- The total score of the Boulder round will be a simple addition of points
- **Only in case of ties:** 0.1 points are subtracted in each **fall** (not attempts) to Top
- Each Boulder will be composed of one TOP and 2 zones
- Distribution of point will be as following:

	B1	B2	B3	B4	
TOP	25	25	25	25	TOP
HZ - Highest Zone	6	6	6	6	HZ - Highest Zone
LZ - Lowest Zone	3	3	3	3	LZ - Lowest Zone

Please note that each cell score already include the previous score. Examples:

TOP, 25 = 3 + 3 + 19

HZ, 6 = 3 + 3

Distribution of point could be adjusted at the end of 2022 season, after some practical observation.

Reasons why mandatory two zones:

- We need to be able to show that different performances in Boulder are reflected by different scoring opportunities
- We need to balance the number of points available in Lead with Boulder scoring opportunities

3. Lead

- The total number of points given by the Lead round should be equal to Boulder. Therefore, the total scoring of the lead route should be 100.
- The wall will be divided into three different sections. Each move has a different value in points depending to the section. The value of each section is different, in order to:
  - a) Reflect the increasing difficulty of the route
  - b) Be comparable with the performance of Boulder
- After several simulations, the most efficient way to compare Boulder performance with Lead is the following:
  - a) 30 moves which give points to the athletes
  - b) Starting to count from the TOP; first 15 moves will give 5 points each.  $15 \times 5 = 75$  points
  - c) Following, 10 moves will give 2 points each.  $10 \times 2 = 20$  points
  - d) Following, 5 moves will give 1 point each.  $5 \times 1 = 5$  points
- c) Following (if any), the remaining moves will give 0 points (same principle as Boulder, where you could get 0 points if you don't reach any zones)

Hold	Hold points	Total points
30	5	100
29	5	95
28	5	90
27	5	85
26	5	80
25	5	75
24	5	70
23	5	65
22	5	60
21	5	55
20	5	50
19	5	45
18	5	40
17	5	35
16	5	30
15	2	25
14	2	23
13	2	21
12	2	19
11	2	17
10	2	15
9	2	13
8	2	11
7	2	9
6	2	7
5	1	5
4	1	4
3	1	3
2	1	2
1	1	1

Boulder options to score			
Top	HZ	LZ	Total score
4	4	4	100
3	4	4	81
3	3	4	78
3	3	3	75
2	4	4	62
2	3	4	59
2	3	3	56
2	2	3	53
2	2	2	50
1	4	4	43
1	3	4	40
1	3	3	37
1	2	3	34
1	2	2	31
1	1	2	28
1	1	1	25
0	4	4	24
0	3	4	21
0	3	3	18
0	2	3	15
0	2	2	12
0	1	2	9
0	1	1	6
0	0	1	3

The Lead “+” will be considered a tie-breaker, as for the attempts to TOP in Boulder.

4. Format

Boulder					
Round	Boulders	Athletes	Type	Time	Total
Qualification	4	20	Onsight (routes available but you don't see climbing)	5 minutes + 15 sec rotations	2h 20m
Finals	4	8	Onsight (routes available but you don't see climbing)	4 minutes + 15 sec rotations	1h 10m

Lead					
Round	Routes	Athletes	Type	Time	Total
Qualification	1	20	Onsight (routes available but you don't see climbing)	6 minutes	Max 2h
Finals	1	8	Onsight (routes available but you don't see climbing)	6 minutes	Max 53 min

Agreements for Boulder:

- 8 athletes and 4 boulders

Reasons:

- 8 athletes is too important for the development of the sport through TVs and media
- 6 athletes is not feasible with the new scoring system (33.3). Additionally, the lesson learnt from Tokyo is that 3 Boulders limit the options for route setters, with higher chance to get hard boulders

However, with 8 athletes and 4 Boulders the duration will be too long (2 hours 15 minutes minimum). Therefore, we need solutions to reduce the time. Two options:

- Rotation in boulder
- Keep final format (one athletes on the mats) and use 2+2 or 2+.

Rotation in Boulder Finals		2+2 and 2+	
PRO	CONS	PRO	CONS
Completely solve time issue	Potential athletes' cheating. It could be mitigated with strict rules and judges' enforcement	It allows only one athlete on the mats (better for TV)	Never (or with limited success) tested before
Same as qualification format	Not friendly TV format. TV might need to adapt starting with qualifications		Creates incertitude and variance of finals length (might be a problem for TV)
Nicer for venue spectators. Always actions on the wall			In some cases, it might not reduce significantly the length of round
			Format with two zones, where do we put the "+"? It should be coherent with the points distribution

Therefore, rotation in Boulder final stage is the best solution to propose

5. Additional points discussed

- Study feasibility for different starting order in Qualification. This would improve the "presentation" of climbing, since we start with Boulder in Paris
- Produce better guidelines for Route Setters (both Boulder and Lead)
- 2022 as testing season for the exact distribution of points. Value of points could be re-assess at the end of the season, in case of significant issues found with the current distribution