Fluor ban implementation

FIS Para Nordic Skiing

September, 2023

- FIS confirmed full implementation of the fluor wax ban start to 2023/24 season

- FIS will carry out testing to ensure that skis/boards are fluor-free at top-tier events
  - FIS World Cup
  - FIS World Ski Championships

- Testing at other level events will be carried out on a random basis to ensure those events are also regulated
  - Cooperation with NSAs

- FIS has agreed, like the IBU, to ban the use of fluorine waxes, which is mandatory for FIS competitions. Where and how the FIS will control is entirely its decision.

- Be sure, that it is in the interest of FIS to make the start of testing as smooth as possible

- Please note that FIS will not publish certain information regarding the number of tests and places because some information will stay confidential. (you will never receive f.e. the detailed list of all doping controls etc.)

Testing Procedure

- FIS Control Team = Equipment Fluor Controller
- The control will be carried out randomly at World Cup and WSC competitions.
- The athletes skis can/could be tested before the start and after the finish of the race in the dedicated area as closed as possible to the start

C.C. Testing procedure before the competition

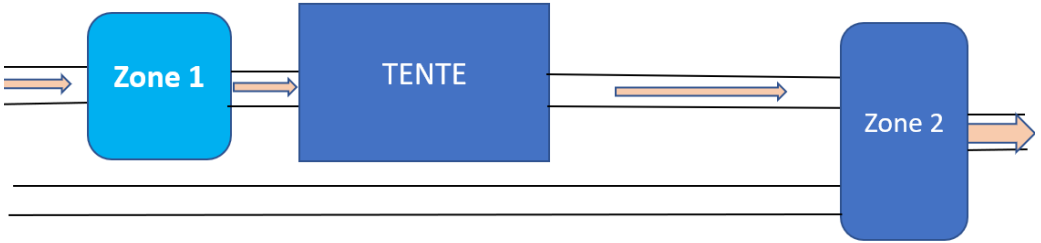
- 1 pair of ski each athlete
- Skis delivered to the test area, Zone 1 at latest 40min before the start

C.C.Testing Procedure – Before Competition

-The technician/athlete put the skis in the designated rack of the Fluor Controller Zone 1.

-No interaction by a steward.

-Skis can/could be randomly tested.



-All data collected will be register in a data base by FIS.

-After the skis have been delivered in the Zone1, they cannot be touched by anybody, except the fluor testing personnel.

-After being tested, the skis will be delivered in the designated rack Zone 2

C.C.Testing Procedure – After Competition

-Skis will be delivered to the test area after crossing the finish line, Zone 4

-The athlete put the skis in the designated rack of the Fluor Controller.

-No interaction by a steward or teams.

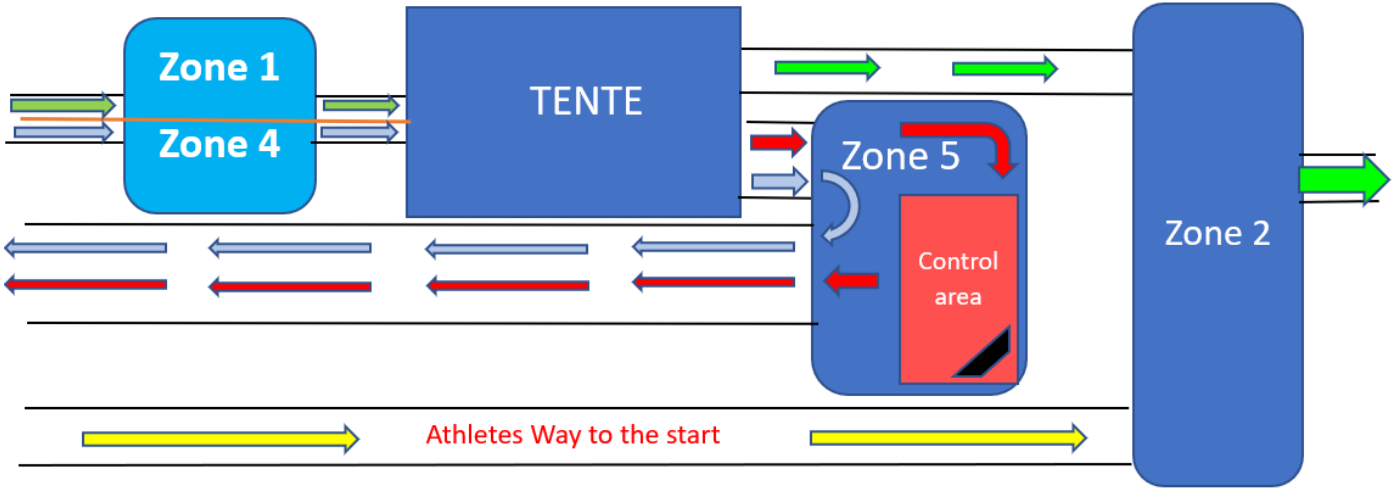
-Skis can/could be randomly tested.

-All data collected will be register in a data base by FIS.

-After the skis have been tested, they will be placed in the exit Zone 5 in the designated rack and can be collect by athlete or teams.

Testing Area

Interval Start skating:



- = Ski, pre-race
- = Ski, post-race

Red ski

- When an athlete ski is controlled “**Red Fluor**”, the staff representing the racer will be informed by the Equipment Fluor Controller.
- A maximum amount of two people (athlete include) can come to the tent to collect racing skis.
-If request, the Equipment Fluor Controller, after the end of the race, will show the results that:

  will disqualify the athlete after competition (DSQ).
- All data collected will be register in a FIS data base.
- Any remeasurements will not be considered when the “Red Fluor” ski get out of the dedicated Red rack.

ICR

222.8

Use of fluorinated wax or tuning products containing fluorine is prohibited for all FIS disciplines and levels. Fluorinated wax can be a competitive advantage and its use in competition will result in disqualification. (see competition rules and equipment specifications.)

Measuring procedure

- Aim to test 1ski of each pair
- 0-1 GREEN, move to next point, up to three points
- RED, as many points as needed will be measured to confirm the red point, if three points are red, DSQ
- When skis are GREEN, they will be moved to a dedicated rack where they can be picked up immediately
- When skis are RED, they will be moved to a dedicated RED rack. The request to see the results could be done by the representative person (NSA/SRS) after the end of the race

Measuring Table

Threshold zones				
0-1				
Measurment result in 3 points			**Reaction**	**Decision**
			OK	OK
			OK	OK
			OK	OK
			Failed	DSQ

Sanctions TBC

Before the start

- 351 Not Permitted to Start, Competitors will not be permitted to start in any FIS international ski competition who:
- 12337.2 violates the FIS rules in regard to equipment (art. 222) and commercial markings (art.207)

- The decision has to be communicated by the Fluor Equipment Controller and is not appealable

- Based on evidence (Testing results)

After the finish

- A positive test will lead to a disqualification (DSQ as per 222.8) of the competitor

- The decision has to be communicated by the Fluor Equipment Controller and is not appealable

- Based on evidence (Testing results)

"In the regulatory sense, fluor controls are considered a material control as defined in ICR rule 222.6. When a ski is indicated red it will be moved to a second instrument and preferably other operator for a second judgement. We do this to minimize any operational influence on the result i.e. we want to be able to reproduce the result. Both in terms of hardware and human error. In the cases where this is not possible no extra instrument or personnel. The extra measurement will be conducted on the same instrument and same person but with a delay were other skis have been measured in between.

Decisions after the testing procedure described above cannot be appealed against, as set out in ICR rule 222.6.1 ("At all FIS events where official FIS measurement experts using the official FIS measurement tools are appointed, the result of measurements carried out at the time are valid and final, irrespective of previous measurements")."

Material provided by Fluor Equipment Controller:

-Tent 3mX3m

-Table 2.80x0.74

-Electric heating

-Device, PC and all necessary hardware to do measurements

Material/Manpower needed from OCs:

-Fenced zone to mount the tent, size 3mX5m as flat as possible, next to the start

-Floor, any not slippery material, size 3mX3m

-1/2 chairs

-Reliable electric power source (110/220 Volts)

-4X skis racks

- 2 or more assistant from 1hour before the start until the end of the race

-Transport of the Fluor Equipment Controller material if his car couldn’t reach the finish area

-If OCs prefer to use their own material such as, 3mX3m tent with sidewalls, table and heating, obviously it would be a great help for us, please let us know so that we can organize ourselves in the best possible way

Personnel and responsibilities

1 Fluor Equipment Controller:

Directly involved and responsible for the organisation of fluor testing before and during the event

Responsible for smooth flow of the fluor testing on site

The only person to communicate with the Jury and RDs

Collects information from teams and SRS about development in ski waxing to improve the testing “models”

Accommodation and travel costs covered by FIS

The Fluor Equipment Controller is on FIS payroll

1-2 LOC assistant: depending on the number of the devices

Jury: Receives information from the Fluor Equipment Controller

Makes decision about DSQ and potential sanctions