ADVANCED TIMING & CALCULATIONS - ALPINE
SEASON 2026

STUDY GUIDE

This Study Guide is intended as an educational and review aid for individuals interested in alpine officiating. Downloading, printing, and reading the Study Guide must not be substituted for actual attendance at an approved U.S. Ski & Snowboard Alpine Officials' Clinic or used as a replacement for actual instruction at any approved clinic.

PLEASE NOTE: The Chief of Timing and Calculations is responsible for <u>supervising, documenting, and enforcing</u> the quality control of actual timing and results; the purpose of this clinic is refinement of the skills required by the position.

With the exception of lower-level events where availability of personnel makes it necessary, the Chief of Timing and Calculations should not also be the individual operating the electronic timing equipment or the timing/race result software.

Training the use of timing equipment and/or timing/result software will result in higher qualified officials, so it should be included in the curriculum. In an effort to address this issue, materials have been made available for a Timing Operations Workshop that can be used to facilitate this option.

REFERENCE PUBLICATIONS: *
1. U.S. Ski & Snowboard Alpine Competition Regulations (ACR)
2. ICR of the FIS, Online Edition
3. Rules for the FIS Points
4. U.S. Alpine Officials' Manual
5. FIS Alpine Skiing Timing Booklet **(FIS website or "Miscellaneous Study Guide Tools")**

* It is strongly recommended that individuals sitting for the Level 3 Chief of Timing & Calculations have paper copies of these publications available for review.

CERTIFICATION EXAMINATION:
Advanced Timing & Calculations (Level 3) Certification Examination will be available at approved U.S. Ski & Snowboard Alpine Officials' Clinics. Allowed time limit is 2.5 hours. The examination is open-book, and it must be administered only at scheduled clinics. It is <u>NOT A TAKE-HOME EXAM. The use of computers in order to "search" rule books or complete calculations is</u> **NOT ALLOWED**. Completed examinations are to be retained by the clinic examiners; they are not returned to the individuals taking them. Please refer to Region/Division publications for schedules. *The Study Guide is not intended as a replacement for taking notes or for use during an open-book examination at any Alpine Officials'-approved clinic.*

If you have problems with this Study Guide or have suggestions for improvements, please contact the Chair of the Alpine Officials' Education Working Group: aoewgchair@gmail.com. Thank you.

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PLEASE NOTE: Procedures which impact your event operations and programs must be relayed to all event officials, Team Captains, and competitors. The procedures must – without question – be respected and observed.

Alpine Officials' resource materials are prepared to be accurate and in compliance with current rules and procedures while maintaining a nationwide outlook. The content of the material is reviewed by senior Alpine Officials prior to being submitted for acceptance by appropriate U.S. Ski & Snowboard authorities. If an item included in the resource materials appears to be in conflict with current rules and procedures, please contact U.S. Ski & Snowboard Competition Services for clarification and/or interpretation.

There is much information available to us - no one can possibly know it all. What we SHOULD know is WHERE to find it. Some of the sections of this Study Guide may require research by the user. This research will aid in the ability to understand the layout of applicable rule books/publications and will reinforce their content.

NOTE: The U.S. Ski & Snowboard Schedule Agreement and ACR U203.2, require that the Chief of Timing & Calculations have a current U.S. Ski & Snowboard Officials membership, be appropriately certified for their position, and have attended a yearly Continuing Education Clinic (Update & Review) <u>prior</u> to the event. The OC should appoint the most qualified individual available to serve as Chief of Timing & Calculations. *The Chief of Timing & Calculations for National Championship, Nor-Am Cup, and World Cup events **<u>should</u>** be certified as a Level 3 or higher Chief of Timing & Calculations.*

REFERENCE DOCUMENTS:
The following reference items can be found at the end of this Study Guide, in "Miscellaneous Study Guide Forms", or on the FIS website. Document numbering is not sequential because it agrees with numbering in the "Master Packet of Forms" (MPF) as posted on the U.S. Ski & Snowboard website. All forms contained in the MPF have been reviewed and, when required, have been updated for season 2026. It is suggested that forms be printed for easy reference while using the Study Guide.

42. Timing Checklist (MPF)

43. TDTR Instructions & Worksheet

    FIS List Cover Page (U.S. Ski & Snowboard and FIS websites)

    FIS Alpine Skiing Timing Booklet (FIS website or "Miscellaneous Study Guide Tools)

15. USA Wireless Timing Application (MPF)

MINOR ATHLETE ABUSE PREVENTION POLICY (MAAPP) & SAFESPORT CODE

The following information is only a brief summary of information found in many documents. These documents are updated as required, so please refer to links posted on the U.S. Ski & Snowboard website for access to complete and current information. **usskiandsnowboard.org/safesport-athlete-safety/safesport-resources**

1. **MINOR ATHLETE ABUSE PREVENTION POLICY (MAAPP)**

   MAAPP applies to "In-Program Contact" within the Olympic & Paralympic movement. Its implementation is required for the U.S. Olympic & Paralympic Committee (USOPC), National Governing Bodies (NGB), Member Clubs (also known as Local Affiliated Organizations or LAO), and Paralympic Sport Organizations (PSO).

   MAAPP applies to all U.S. Ski & Snowboard employees, contractors, athletes, officials, and members. It also applies to participating non-members, e.g., foreign officials, timing companies, volunteers, and any adult participants. *MAAPP should be implemented alongside the SafeSport Code.*

2. **SAFESPORT CODE**

   U.S. Federal Law requires that adults who have frequent contact with, or who are in positions of authority over athletes, must receive consistent education on prevention and reporting of all allegations of sexual misconduct, bullying, hazing, and abuse of all forms. This impacts all U.S. Ski & Snowboard member clubs, coaches, officials, and Club Volunteer members. All members turning 18 years of age and older during the season are required to complete SafeSport training through the U.S. Center for SafeSport (substitutions are not permitted)**.**

3. **ADMINISTRATION PER MAAPP & SAFESPORT CODE:**

   The Local Organizing Committee (LOC), as well as other individuals and entities as set out in the MAAPP and the SafeSport Code, are responsible for monitoring and enforcing all requirements. These requirements include, but are not limited to:

   - The Race Administrator must verify that all individuals who are granted competition arena access: Jury members, Jury Advisors (Start and Finish Referees), Chief of Course, Course Setters, Coaches, Competitors, Forerunners, Chief of Timing & Calculations, Race Administrator, technicians, and medical staff, etc., have current and applicable U.S. Ski & Snowboard memberships. *Individuals whose memberships are "pending," or whose names appear either on the Centralized Disciplinary Database or the Pending Membership List must not be issued any access that would allow competition arena access.*

   - Alpine Official Certification Status: The Race Administrator must verify that all Jury members, Jury Advisors, Chief of Course, Course Setters, Chief of Timing & Calculations, and Race Administrator have appropriate certification as required by their position.

   - Alpine Official Continuing Education (Update & Review) Status: With the exception of Technical Delegate who, unless excused, are required to attend yearly certification-specific Workshops, the Race Administrator must verify that the Chief of Race, Referee, Assistant Referee (if required), Chief of Course, Course Setters, and Chief of Timing & Calculations, have attended the required yearly Continuing Education Clinic; last clinic attendance must be Season 2026.

   - Centralized Disciplinary Database: All persons with venue access or credentials that allows access to the competition arena must be verified against the U.S. Center for SafeSport's Centralized Disciplinary Database. If listed, race arena/venue access is not allowed. *Site allows filtering to sport. However, an individual may not be listed under one sport but may be listed under another; searching by name is the best practice. If you have a name match but cannot verify whether or not it is the individual attending the event, please contact Member Services.*

- Volunteer Competition Worker Registration: Completion of a <u>current</u> "Volunteer Competition Worker Registration" is required for any workers/volunteers <u>who are over the age of 18</u>, are not U.S. Ski & Snowboard members, properly credentialed FIS officials, coaches and trainers, or regular employees of Organizer or of Ski Area/Landowner acting within the scope of their employment.

- "Blocks" of coaches' tickets must not be provided for participating clubs. This practice does not allow the OC to make their best effort to comply with SafeSport requirements.

<u>**Please Note**</u>: The responsibility for communication and enforcement of MAAPP and SafeSport policies is the responsibility of the Local Organizing Committee (LOC) as well as other individuals and entities as set out in the Competition Administration Summary, the MAAPP, and the SafeSport Code. All this information is available on the U.S. Ski & Snowboard website at **usskiandsnowboard.org/safesport-athlete-safety/safesport-resources**.

The Jury is only responsible for technical matters within the **<u>closed competition areas</u>**. **[601.4]** The **<u>closed competition areas</u>** are defined as the "race arena" which is accepted as being those areas which the Jury inspects and accepts as being suitable for competitors' presence; e.g., start arena, race course, finish arena.

In addition to noting that sanctions can be applied and a penalty imposed for "actions within and without the competition area", **223.2.1** includes conduct within "any location connected with the competition." These locations include, but are not limited to the following areas that are required for the orderly conduct of an event: Team Captains' Meetings, Jury meeting areas, timing building, equipment control area. *Neither the "closed competition areas" (within or without the fencing) nor "any location connected with the competition" include lift lines, cafeterias, parking lots, warmup areas, or warmup courses, etc.,* **<u>*unless rules state otherwise;*</u>** *e.g., U14 regulation which prohibits waxing application on ski area property.*

SEASON 2026 ADVANCED TIMING & CALCULATIONS STUDY GUIDE

I. **Focus of this Study Guide is primarily FIS-level events**
   A. Regional FIS

   B. Nor-Am (Continental Cup)

   C. World Cup, World Championship, and Olympic Winter Games

II. **Characteristics of Events**
   A. Competitors are top level racers

   B. Team Captains are highly astute and knowledgeable professionals
      Depending on type and level of event, one or more Team Captains may be appointed to serve as Connection Coaches. Connection Coaches:

      - **Serve as liaison between all Team Captains and the Jury**

      - **Serve as on-hill "Eyes of the Jury"**

      - **May supervise yellow flag zones in DH and SG**

      - **Have voice but no vote in Jury matters/decisions**

      Depending on the terrain and course set, Connection Coaches may also be appointed for other events, e.g., Giant Slalom, Slalom, Parallel.

C. Organizing Committee (OC); may also be referred to as Local Organizing Committee (LOC):
- Is highly experienced and qualified

- Is committed to a quality event

- Is aware media exposure can make any off-the-cuff statement, "news"

- Is aware of financial commitment and need for sponsors

- Includes Technical Delegate as appointed by U.S. Ski & Snowboard or FIS Technical Delegate Working Group representative

- Includes Referee, and Assistant Referee (speed events) as appointed by the Technical Delegate **[601.2.3, 601.4]**

- Includes Forerunners as appointed by the OC

D. Race Jury
- <u>World Cup</u>: FIS Chief Race Director and FIS Race Director serve as Referee and Assistant Referee for all events – both speed and technical **[601.2.1]**

- <u>World Championships and Olympic Winter Games</u>: All Jury members, including Start and Finish Referee, are appointed by FIS and have voting rights **[601.2.2, 601.4]** and **<u>must</u>** include at least one person of a different gender **[601.4.1.4]**

- **ICR:** For other international races, the Jury **<u>should</u>** include one person of a different gender **[601.4.2.3]**

- In all other races* the Technical Delegate appoints the Referee and for Downhill and Super G, the Assistant Referee **[601.2.3]**

- By appointment, the above become members of the Organizing Committee **[601.2.4]**

*Referee, Assistant Referee, and Course Setters are appointed by Nor-Am Cup Committee for Nor-Am Cup events. These officials may also be appointed by U.S. Ski & Snowboard for Championship events.

E. Additional support officials, as required, have a high level of certification, knowledge, and experience

F. Professional Timing Company and Timing System Requirements **[611]**

G. FIS Computer Company
1. FIS Points
    a. Validity **[4.2.4 – the current season]**

    b. Rule Observance **[1.1 – rules not observed; race not scored]**

    c. FIS List **[5.1 – FIS List is only available electronically]**

    d. FIS Points may only be corrected by the FIS Office. <u>FIS Points marked "C" on FIS website</u> version of FIS Points List are verified as being "<u>confirmed</u>".

    e. FIS Base Points are calculations based on prior season's results, have not been adjusted for the next season and are posted for informational purposes only. ***Points posted in the Season 2026 FIS Base Points List <u>must not</u> be used for event seeding or penalty calculation purposes.***

2. **Continental Cup:** Updated Nor-Am Cup Points (updated after every event), are used for seeding of the first group of fifteen (15). The first group of 15 is followed by 450-overall cup point holders, and top 30 WCSL competitors present for event. Nor-Am Cup Points are then used to fill to the 30th position. After the 30th position, seeding is done by current FIS Points.
   a. Entry to Nor-Am Cup events is quota controlled.
   b. The **Overall 450-point holders from prior season** not included in first group are seeded at 16th position (if more than one, seed by Overall Points; if tied, seed by event NAC Points; if tied, seed by FIS Points; if tied, draw for start position).
   c. Any Overall 450-point holders who were injured and unable to utilize special seeding during previous season may use it at the first 3 races of the following season. This is valid for a maximum of 3 starts irrespective of the events.
   d. The Overall 450-point holders are followed by entered competitors ranked within the top 30 of the WCSL (World Cup Start List) for the respective event.
3. **World Cup:** Updated World Cup Points are used to seed first group of thirty (30).
   a. The Overall 500-point holders from among top 30 WCSL present are seeded at 16th position
   b. Any Overall 500-point holders from remainder of field are seeded no later than 31st position

* Refer to current Continental Cup Rules and World Cup Rules if more detail is required.

III.   **What is SCORING?**
   A. Dimensions of scoring are:
   To ensure that ALL scoring functions come together and function as a unit: Classic ICR descriptions are found as follows: Chief of Timing & Calculations **[601.3.6]**
   1. Chief Timekeeper **[612.4]**
   2. Assistant Timekeepers (Manual/Hand Timekeepers) **[612.5]**
   3. Finish Controller **[612.6]**
   4. Chief of Calculation **[612.7]** (When appointed.)

   B. Scoring interacts with:
   1. Timing/Data Company
   2. Announcer, Scoreboard and an Official Notice Board

Announcer should be available to announce competitors' *unofficial* times. Announcer should also announce DSQ's. When an announcer is announcing *unofficial* times, DSQ competitor data announcement may be used to replace actual posting of Report by the Referee. *Team Captains must be notified beforehand if announcement of DSQ information is going to replace actual posting of the Report by the Referee.* [617.2.2]

The scoreboard as well as the Official Notice Board are usually located at or near the finish. However, the OC may advise participants that they choose to only use an online format for either or both of these items. In each case – actual or online – the rules are satisfied; *unofficial* results and other documents such as the Report by the Referee are made available for review.

The Official Notice Board can also be replaced by an official communication channel; e.g., WhatsApp, Live-Timing. **[617.2.3]**

Rules do not specify which system – acoustic, visual, or online – is preferred. Team Captains must be notified at the Team Captains' Meeting which system will be the "official" system.

3. Race Secretariat/Race Administrator
It is strongly recommended the Race Administrator not assume additional duties beyond those required for the position. Accurate event documentation is imperative for all events as these documents may be required in a legal review. *This becomes even more critical with the additional duties required in order to be in compliance with MAAPP and SafeSport Code.*

4. Press Chief

5. Technical Delegate
   a. Verifies timely synchronization of timing equipment

   b. Verifies accuracy of Official Results and Penalty

   c. Verifies accuracy of data contained in "Timing & Data Technical Report Form" (TDTR) as prepared by the Chief of Timing & Calculations, prior to its electronic transmission to FIS and U.S. Ski & Snowboard. **(Accurate preparation and submittal of the TDTR is the responsibility of the Chief of Timing & Calculations; it is not the responsibility of the Race Administrator or any other official.)**

   d. Provides a signed PDF copy of TDTR for Race Administrator files (signed by both the Chief of Timing & Calculations and the Technical Delegate).

   e. Verifies Replacement Time Calculations (EET's) are submitted in accordance with current non-FIS and FIS requirements.

6. Referee (Report by the Referee).
   a. Chief of Timing or Assistant should track/enter NPS, DNS, and DNF bib numbers on the Report by the Referee

   b. Chief of Timing should meet with Referee (and Assistant Referee for speed events) and assist with entering DSQ competitor data, e.g.: Name, team, name of Gate Judge, type of fault, and either gate # where fault occurred or rule number applicable to infraction.

8. A competitor is "Not Permitted to Start" (NPS) **[627]** who:
   a. Wears obscene names and/or symbols on clothing and equipment

   b. Behaves in an unsportsmanlike manner in the start area

   c. Violates the rules in regard to the competition equipment and commercial markings

   d. Trains on a course closed for competitors

   e. In training for Downhill, has not participated in at least one timed training run

   f. Does not wear a crash helmet that conforms to the Specifications for Competition Equipment **[606.4]**

   g. Does not have ski brakes on their skis **[606.3]**

   h. Does not wear or carry an official start number* according to the rules

   An "official start number" refers to any bib issued by the local event organizer; this includes replacement bibs furnished by the Start Referee.

9. Recording "NPS" Situation - U.S. and FIS Events
   a. Due to rule(s) violation(s), athlete is not permitted to start; this could apply to either run of a 2-run event and must be noted on the Start Referee's Report; Jury must be advised.

   b. Software will include "NPS" designation

c. If the Report by the Referee currently being distributed by Competition Services is being used, the athlete's status is recorded in NPS section; bib #, name, club/nation and reason (in "Note" section). *Older versions of the Report by the Referee do not contain a section for recording information/Bib #'s for NPS athletes.*

d. If the Report by the Referee posted in MPF, on the FIS website, or produced by VOLA and Nat/FIS Scoring Software (Split Second) is being used, a section is only provided for documenting bib #'s for NPS athletes.

e. Technical Delegate must verify accuracy of Official Results and Penalty posted on U.S. Ski & Snowboard/FIS websites.

NOTE: Due to *force majeure,* the Technical Delegate may prepare, sign, and post the Report by the Referee or may assign this duty to another official. A Report by the Referee signed by the Technical Delegate or designee is valid.

10. Jury **[601.4.6-601.4.7]**
   a. In cases of system malfunctions, e.g.: timing systems or absence of a gate, Jury allows reruns **[623.1.2; 623.2.5]**

   b. In cases of doubt, Jury allows provisional reruns not based on system malfunctions

   c. In cases of doubt, Jury allows provisional starts

   d. Confirms validity of provisional starts and provisional reruns

   e. Establishes start intervals for GS, SG, and DH and communicates the intervals (fixed/regular) to Chief of Timing or assistant.

   f. In cooperation with Chief of Timing or assistant, establishes start intervals for Slalom (non-fixed/irregular)

   g. In accordance with rules regarding minimum start intervals, establishes start intervals for Giant Slalom, Super G, Downhill Training, and Downhill

   h. Confirms start intervals for Giant Slalom, Super G, and Downhill and communicates any changes with Chief of Timing or assistant

11. Provides instruction to manual/hand timekeeping crew in order to provide required manual timekeeping that is consistent and accurate

SUGGESTIONS:

Two suggestions: Neither one will take much effort, but they may be the difference between a race result or a disappointed athlete for whom no time is available.

- **Take the time to verify manual devices are still synchronized. A countdown over the radio and a request for the display reading can be done prior to the start. Another option is requesting the manual time for the first forerunner. You will need the manual time for the first athlete, but verification prior to the start of Bib 1 allows time to address any issues.**

- **If electronic systems fail, immediately verify manual times are available for the racer for whom an electronic time is not available. *This immediate action will indicate whether or not manual timekeeping has validity, so you will either be able to calculate a replacement time or authorize a rerun.***

C. **QUALITY** - Establish confidence in "Real Time" timing/scoring presentations
   1. Familiarize yourself with available timing systems: Start, Finish, Net Time

   2. Verify scoreboard is available with: Bib #'s, Names, Unofficial Times

3. Verify location of intermediate timing points

4. Verify location and accuracy of video displays

5. Furnish progress reports to media with respect for deadlines

6. Document NPS, DNS, and DNF on Report by the Referee and be available to verify NPS and DSQ competitor data, e.g.: Bib, Name, Team, Gate or Rule # for violations other than incorrect passage

7. Aid in preparation of accurate official reports according to format

IV.   Initial Actions of Scoring are:
A.   Coordinate with the following:
1. Secretariat: Verify Race Administrator is using updated race result software, current/applicable Points List(s), and <u>confirmed</u> technical data, etc.

2. Timing Company: Verify use of homologated timing equipment

3. Scoring Computer Operations: Verify scoring software has been updated and is compatible with race result software

4. Chief of Manual/Hand Timing: Verify availability of supplies, equipment, and knowledge of procedures as well as operation/functions of manual/hand timing equipment

5. Technical Delegate
   a. Confirm timely synchronization of timekeeping equipment: electronic and manual

   b. Prepare Timing & Data Technical Report in PDF format (TDTR) for Technical Delegate's review prior to electronic submission of TDTR XML file. When approved, TDTR PDF paper copy is signed by the Chief of Timing & Calculations and the Technical Delegate.

   c. Electronically submit Timing & Data Technical Report, as required

   d. Submit Replacement Time Calculations (EET's), as required (either paper copy or electronic.)

   e. Provide consistency and accuracy

   f. Be available to verify all official times

B. Facilities and Schedules
1. Verify schedule and attend Team Captains' Meeting *For online meetings, verify adequate connectivity is available and that platform details have been communicated to all teams.*

2. Verify schedule for creating seed board

3. Verify location of Press Room and identify press room liaison personnel

4. Verify location and availability of results reproduction facilities

5. Inspect Finish Building and Finish Line/Finish Area **[615.2]**
   a. Finish Photocells: Verify they homologated.

   b. Width between Finish Posts
       1.) DH and SG finish line dimensions – no less than 15 m*

       2.) SL and GS finish line dimensions – no less than 10 m*

       3.) Line is marked horizontally with a coloring agent so that it is clearly visible to the approaching competitor

      4.) Timing equipment/competitor security installation
      *Distance is between finish posts/banners not length of finish line. Timing posts must be at least this far apart. The Jury may decrease this distance for technical reasons.

6. Start Area, Start Facilities and Start Gate/Area specifications [FIS Alpine Skiing Timing Booklet]

  a. Homologated Start Gates

  b. Dimensions

    1.) Width: Support posts should be 50 – 80 cm apart

    2.) Wand should be mounted approximately 35 – 50 cm from the snow

  c. Start Wand Installation

    1.) Description: small diameter rod

    2.) Mounting

      a.) Only one wand is permitted.

      b.) Wand cannot be so stiff that it could cause injury or not break, but must be stiff enough to eliminate false starts.

      c.) Wand must stay open once it is triggered; *auto return wands are not permitted.*

      d.) Duplicate start wand must be on hand for replacement purposes.

      e.) Mounted horizontally above the starting line and at an elevation that places it at or below a racer's knees.

      f.) Mounted on a hinge. As the racer propels forward across the starting line, the wand is forced to swing forward and to the side by the racer's leg. Placement of start gate must be marked on the support posts.

      g.) Replacement must be with identical gate, at same position and with same rotation.

      h.) If two start gates are used in concert, they must be solidly mounted on same physical bracket. Both mechanisms and box must be stiffly connected together.

NOTE: Refer to <u>current</u> FIS Alpine Skiing Timing Guide for information regarding angular range and accuracy of the start wand.

    3.) Starting Gate

      a.) Minimum of 2 electrically isolated contacts activated by 1 wand.

      b.) Timing wires must be connected to separate start gate contacts using separate connections.

      c.) Wand must be installed so that starting is impossible without it opening.

      d.) Exact replacement gate must be available, if required due to failure

    4.) Communication

      a.) Wiring between the start wand and the timekeeper's booth is generally available through another pair or wires or is piggybacked onto an existing pair.

      b.) A headset may be plugged into a jack at the start so that the Starter can be in constant voice communication with the timing room

7. If possible, accompany Jury on course inspection and check for the following:

  a. Location of "yellow flag" zones and "blind" areas. Yellow flags are required for DH and SG. *Depending on terrain and/or course set, the Jury may also require them for GS*

b. Staffing and location of Manual/Hand Timekeepers (Assistant Timekeepers)

c. Staffing and location of intermediate timing positions, if required

V. **Questions You Need to Ask:**

A. Are all entries in? Are all entries on the Board? *(This is important for Downhill Training where rules require that all qualified competitors be <u>entered and drawn</u> in <u>all</u> training runs.)*

B. What computer-scoring program is being used? Has it been updated? Is the operator familiar/comfortable with its use?

C. Does it meet the requirements of 611.3.5, which requires that computer software that calculates net times must use precision of ToD as used in the timing device?

D. Is the correct and current Points List available?

E. Have all the preliminary reports been prepared?

F. Has the timing room and equipment been checked in advance of the event? **(Refer to MPF #42. Timing Checklist)**

G. Has all of the required header data been entered in the race file?

H. What timing equipment is being used? Is the operator familiar/comfortable with its use?

I. What system will be used to transfer data between results computer and timing
  1. Transfer of race file which does not allow the Race Administrator to perform race data editing during race.
  2. Transfer of timing file which involves only bib numbers, competitors' names and times does allow for race data editing.
  3. Verify transfer process been established and tested: email, cloud, or thumb drive and runner.

J. What start gate is being used?

K. What finish photocells are being used? Photo Finish timing has been approved for use at FIS events for *backup purposes only.* FIS has established criteria for photo finish systems, and they must be followed (see current edition of FIS Alpine Skiing Timing Booklet). *Required for Level 0 FIS competitions, e.g., OWG, WSC, WC, COM, WQUA.*

L. Is all equipment: timing equipment, start gates, and finish photo cells on the current homologated lists? [611.2]

NOTE: All timekeeping equipment <u>MUST</u> meet stipulated standards. Use of equipment that does not meet standards will result in an event not being considered (scored).

N. Are requirements for electronic data transmission of Official Results and Penalty – wireless or network – in place?

It may seem that we are delving into areas of responsibility belonging to other officials; however, it is necessary to verify all interfaces have been established, tested, and are functioning smoothly and efficiently. There is not enough time to try to establish or fix procedures while the competition

is in progress. The Chief of Timing & Calculations or Scoring – in cooperation with other officials – should evaluate these interfaces and take whatever action is necessary to get the job done without sacrificing QUALITY!

VI.   Quality Assurance Actions:

A. Team Captains' Meeting, Seeding and the Draw. According to National and FIS rules, the draw must be conducted (or confirmed) at a Team Captains' Meeting. A Team Captains' Meeting, attended in person or online by Team Captains, Jury, and race officials is an inseparable and mandatory part of the competition and is important for communication of Jury instructions, support of the OC, as well as conveying OC requests and information. *It is also a critical element for risk management and liability-related matters.* [Refer to 621.8, 604.3]

With the approval of the Jury and at a time and place announced to all Team Captains, and where a computer-generated draw* has been approved or is not required (e.g.: Event where TRS by class and gender is used to determine the start order), an informational meeting is still required. The meeting may be held either immediately after the completion of a race for the next day's event or on the morning prior to a race.

1. Keep in contact with Secretariat (RA).

2. Attend Team Captains' meetings.

3. Review the Seed Board before and after the Draw.
    a. Verify accuracy of the Board.

    b. Verify seed-point ties are identified.

    c. Verify correct seeding of competitors entitled to $16^{th}/31^{st}$ position, if applicable (U.S. "Golden Rule," FIS Nor-Am Cup, and FIS World Cup).

    d. Verify grouping of competitors without points.

    e. Verify additional special seeding groups as authorized by the Jury.

4. Verify correct application of rule regarding "Snow Seed."

5. Verify number of available Forerunners.

6. Independently record the Draw.

7. Verify the Start or Training List against the Board.
    a. Verify header information against the appropriate source: Homologation file. **

    b. Verify accuracy of footer information.

NOTE: Electronic seed boards should have the capability to **simultaneously and legibly display the entire competition field**. Simultaneous display of all competitors allows all Team Captains and officials to verify the overall accuracy as well as additions and deletions to the starting order in "real time." *Using the race result software to display* portions *of the competition field is not acceptable.*

* It is important to remember that computer-generated draws are governed by a random identifier and unless this identifier is changed prior to each draw, results of a draw involving the same competitors may only have minimal changes. Only the software writer has the access required to change a random identifier.

** NOTE: Homologation files are available for review on the following websites. The websites are the only valid sources for verification of a course homologation:

media.usskiandsnowboard.org/CompServices/Homologation/
(Login is required: **User ID = homologation; Password = Allout2022!)**

(Maps, photos, reports, etc. not accessible at this site.)

New inspection of an existing course (FIS/National) voids previous homologations of an existing course.

    B.   Downhill Training

        1.   Verify all timing equipment and personnel will be in place for all training runs.

        2.   Verify accuracy of Start List in scoring computer.

        3.   Address intermediate timing considerations.
It is best to coordinate with the Technical Delegate and the Jury for placement of intermediate timing equipment. To avoid the cells being triggered by anyone other than the competitors, it is recommended that the person responsible for intermediate timing points use a push-button to arm the photocells when a competitor crosses the line.

           a.   Timing equipment operators.

           b.   Necessity of having on-hill operators.

        4.   Data Presentation

           a.   Verify that scoreboard, either electronic or paper, is available to display competitors' unofficial times.

           b.   Verify that forerunners' times will not be displayed.

           c.   Verify accuracy of time-of-day printouts.

           d.   Verify status of press room video displays, if available.

           e.   Verify status of Announcer's display, if available.

        5.   Press Reports (UNOFFICIAL) Standard format not required.

           a.   Establish contact with Chief of Press.

           b.   Establish system for press report production and distribution.

               1.)   Verify accuracy of documents released to press.

               2.)   Keep copy of all documents released to press.

               3.)   Coordinate with Press Room for electronic transmission if no runner is available.

        6.   Other Reports
Accurately prepare all required reports in a timely manner.

    C. Race Day - Be prepared for the unexpected.

        1.   First Run

           a.   If possible, attend Jury inspection.

           b.   Verify schedule.

               1.)   A run or race that is rescheduled for a later time slot ***on the same day*** is **delayed.**

               2.)   A run or race that is rescheduled to a different date ***within the series*** is **postponed.**

               3.)   A run or race that is ***started but cannot be completed*** is **terminated**. There is no set number that has to start or finish. If even one forerunner has started and the Jury determines that the event cannot continue, it is a "**terminated**" event.

               4.)   A run or race that cannot be rescheduled ***within the*** **series** is canceled; cancellation of an event vacates the U.S. Ski & Snowboard race code/FIS codex and invalidates the event liability insurance.

c. Verify number of 2nd Run "Bibbo." **[Reverse 15? 621.11.3, 617.3.3]**

d. Verify synchronization checks with TD; compile data for the "Timing & Data Technical Report."

   1.) Online filing of the TDTR XML file is required for all <u>FIS</u> events. The required program is currently available at **fis-ski.com/en/inside-fis/document-library/timing-data.** It is available for Windows 10, 11, and macOS 10.14+ and is updated as required. Software will alert when an updated version is available; please update to current version.

   A PDF paper copy of the TDTR, as well as any required Replacement Time (EET) calculations, must be made available for inclusion in required Race Result Document Packets as noted in "Distribution of Documents – FIS Events."

   Replacement Time Calculations (EET's) must be submitted as an attachment to the TDTR submitted to FIS, and copies must also be made available to satisfy national submittal requirements.

   2.) The FIS TDTR software is also used for preparing and submitting a TDTR XML file for <u>non-FIS</u> events. The software will produce the required PDF paper copy report. The software will accept a "National Race Code" which is used for a U.S. Ski & Snowboard Race code number (alpha character + 4-digit number). "Race Codex" may require data, and "JUN – Junior" category must be selected. (Refer to current TDTR tutorials for additional information; TDTR PPT is available on the U.S. Ski & Snowboard website.)

   The TDTR Worksheet available in the MPF on the U.S. Ski & Snowboard website is only intended to assist in gathering data for entry into the FIS TDTR software.

   As with FIS events, a paper copy of the TDTR as well as any required Replacement Time (EET) calculations, must be made available for inclusion in the required PDF Event Document Packet. The calculations must be included with the TDTR submitted to: **tdtr@usskiandsnowboard.org**.

e. Verify course and weather data for headers and communicate the information to Race Administration.

f. Follow preparations of timing and computer operations.

g. Verify instructions for manual/hand timekeeping crew; e.g., operation of manual/hand timing equipment and required procedures.

h. Verify Downhill and/or Super G competition course length measurement has been accomplished by wheel, tape, or GPS.

i. Recheck start order in computer.

j. Plan press report production; follow plan.

k. Keep "Report by the Referee" up to date by noting bib #'s for NPS, DNS, and DNF competitors.

l. Observe timing company operations.

   1.) Verify accuracy of time-of-day printout.

   2.) Verify accuracy of interval timing reports prior to distribution.

   3.) Make notes on Start List; especially important for documenting anomalies.

4.) If possible, track differential between primary and backup timing.

5.) Identify five best (lowest) point holders who start race regardless of result.

m. Print unofficial listing immediately after last competitor finishes.

n. Meet Jury at finish with complete unofficial listing and "Report by the Referee."
1.) Assist Referee/Assistant Referee with review of Gate Judge Cards.

2.) Provide a copy of unofficial competitors' ranking for the Technical Delegate.

3.) Deliver DSQ list to announcer.

o. Publish Unofficial Results report.

p. After protest period has expired, verify with computer operations and/or Race Administrator that the appropriate action has been taken on DSQ's.

q. Print/verify 2nd Run Start List or 1st Run Results.

r. Verify Race Administrator has been made aware of any Jury decisions that may require documentation (Jury Minutes), e.g.: application of snow hardening agents, change in start order, change in start times, change in announced start intervals for Giant Slalom, Super G, Downhill Training, and Downhill.

s. Although not necessarily part of your responsibilities, notify Race Administrator of any incidents that may require filing of injury reports.

2. For Second Run of Two-Run Events
a. Compile data for preparation of the "Timing & Data Technical Report."

b. Verify 2nd Run cutoffs.

c. Verify accuracy of Second Run Start List. [6.21.11]
1.) "Bibbo;" check for ties at last position of flipped group (30th or 15th).

2.) Verify start order of ties outside of "bibbo."

3.) For events not using an Alternate Seeding System (TRS, etc.), verify if 1st Run NPS, DNF, DSQ competitors are included on 2nd Run Start List after the last 1st run classified competitor.
a.) Suggested Procedure for Tracking 1st Run NPS (track in DNS section), DNF, DSQ athletes in 2nd Run:

The Chief of Timing & Calculations and the Race Administrator account for all competitors, and the U.S. Technical Delegate Report requires documentation of these calculations. For events where 1st Run NPS, DNF, and DSQ athletes are allowed to start in the 2nd Run, this can create a unique challenge.

It is important that the Chief of Timing & Calculations continue recording after all classified 2nd-run starters have completed their run. Not continuing to record 1st Run NPS, DNS, and DNF competitors who are being allowed to take a 2nd Run will result in an incomplete record of the event, so the following recording method is suggested:

- Start Referee notifies Timing when last classified 2nd-run starter has left the start.
- Chief of Timing & Calculations (or assistant), makes appropriate notations in the DNS and DNF sections of the Report by the Referee.

Report by the Referee will now concisely reflect how many actual 2nd Run DNS and DNF competitors are to be considered in the calculation of "Finishers/Total Ranked" on Official Results.

The following is suggested method. Chief of Timing or assistant may use recording method of their choice; e.g.: End 2nd Run, Run 1 Racers.

Did not start (No.)/*Pas au départ (No.)*/Nicht am Start (Nr.)		4	27							
2nd Run complete	18	34	42							
Did not finish (No.)/*Pas à l'arrivée (No.)*/Nicht im Ziel (Nr.)		1	7	23	29	31	37	41	45	49	52
65	72	77	81	82						
2nd Run complete	6	15	21	34						
Time published / *Heure d'affichage* / Anschlagzeit H:mm		**Deadline / *Délai* / Ablauf** H:mm		**Date / *Date* / Datum** m/dd/yy		**Signature Referee** *Signature du juge arbitre* Unterschrift des Schiedsrichter **S/**				

d. Complete additional duties performed during 1st run.

e. If time permits, complete hand calculation of Penalty and include calculation draft when meeting with Technical Delegate after race.

D. **USA Wireless Timing Application**
   Wireless timing has been **approved** for **non-championship events**. If an Organizing Committee wishes to use wireless timing, they must complete an online application (**forms.gle/DsHR5Hi6pvy7w1EG6**). **Refer to MPF #15. USA Wireless Timing Application** for details.

UPDATE & REVIEW FOR CONTINUING EDUCATION

The following section contains a major portion of the "Season 2026 Update & Review for Continuing Education." If this section is utilized, it should address the requirement for attendance at a Continuing Education Clinic.

Please refer to the following for additional educational information: 2026 edition of U.S. Ski & Snowboard ACR, online edition of current FIS ICR and, if applicable, current Precisions to the ACR and ICR].

U.S. SKI & SNOWBOARD COMPETITION UPDATE: SEASON 2026
The following changes are only applicable for non-FIS events:

1. **SLALOM POLES**

   • Slalom poles must be contrasting, alternating colors; turning pole must be a flex pole. **(U680.2.1.1)**

   • For **scored** U14 events, 72" gates are allowed.

2. **USE OF INTERNET-BASED TIMING/RESULT PLATFORMS**
   Any event that includes U14 and younger athletes is not allowed to post "real-time" results or times on an internet-based timing/result platform during the race. Competitor lists: e.g., Club entries, Start Lists, Results, Referee Reports, may be posted, and standings/times should be updated at the conclusion of the event. **(U612.4.1)**

3. **TECHNICAL DELEGATE'S DAILY ALLOWANCE AND MILEAGE**

The amount of the daily allowance for which a Technical Delegate may submit an invoice has been increased to $150 per travel/race arena inspection/training/competition day. If multiple tasks are completed in one day, e.g., travel and race arena inspection, only 1 daily allowance may be invoiced. In addition, an actual "travel day" is considered to be a one-way trip of five or more hours; two one-way trips of less than five hours only equal one day. Current IRS-approved mileage is $.70 per mile, but it may be adjusted January 1; please verify and calculate mileage based on the current IRS-approved amount.

4. **ALPINE OFFICIALS' CONTINUING EDUCATION (UPDATE & REVIEW) REQUIREMENT**

Certified Alpine Officials are required to attend an approved yearly Continuing Education Clinic (Update & Review) or certification-specific Workshop prior to being appointed to officiate at any U.S. Ski & Snowboard sanctioned event.

FIS COMPETITION UPDATE: SEASON 2026
The following are only applicable at FIS events:

3.5.2.4 Airbags: With the exception of Nor-Am Cup, Far East Cup, and Junior World Championships, where it is strongly recommended, competitors must use an airbag for all FIS Level 0 and Level 1 speed events. (FIS Specifications for Alpine Competition Equipment)

3.5.3.4 Cut-Resistant Undergarment Pants: With a minimum protection level of 3 Stars, cut-resistant undergarment pants are required for all Level 0 and Level 1 events (technical and speed). Use of the undergarment is strongly recommended at other levels of competition. Please note: *"Cut-resistant undergarment is intended to provide supplementary protection and not infinite cut protection."* (FIS Specifications for Alpine Competition Equipment)

3.5.4 Shin Pads (Carbon Shin Shells): No additional rigid parts are allowed to be worn as shin pads inside the boot. To treat medical issues, additional protection pads, as soft padding, can be approved by FIS. Those pads must be made of soft material (e.g., gel, foam) and be flexible in all directions. Additionally, they cannot have a preformed, curved shape adapted to the leg, and their size must not exceed the height and width of the ski boot tongue. (FIS Specifications for Alpine Competition Equipment)

NOTE ABOUT COMPETITION EQUIPMENT

The term "competition equipment" implies:

- All items of equipment used by athletes in competitive skiing.

- This includes all clothing and implements that serve a technical function.

- *Equipment is the responsibility of the individual competitor and, if applicable, their parents/legal guardians.*

This applies to all U.S. Ski & Snowboard sanctioned events: non-FIS and FIS.

U.S. SKI & SNOWBOARD & FIS UPDATES: SEASON 2026
The following are applicable to both Non-FIS and FIS events:
1. **TIMING & DATA TECHNICAL REPORT (TDTR)**

A Timing Data Technical Report (TDTR) is required for all levels of competition, and the FIS TDTR software is used for preparing and submitting the report for all events, both non-FIS and FIS.

If an event requires calculation of a replacement time (EET), copies of all calculations must be included with the Timing & Data Technical Report (TDTR):
- Submitted to **results@fis-ski.com** or **janez.flere@fis-ski.com**
- Submitted to **tdtr@usskiandsnowboard.org**
- Included in the PDF "Event Document Packets"

2. **HEAD TAX CALCULATION/VERIFICATION/PAYMENT**

Regardless of whether or not the registration system of choice calculates and submits required Head Tax, the Organizing Committee is responsible for calculation, verification, and payment of all National, Regional, and Divisional Head Taxes within __14 days (2 weeks)__ after the event. **All late payments to U.S. & Snowboard shall accrue interest at a rate of one and one-half percent (1.5%) per month, or the maximum rate permitted by law, whichever is less, until paid in full.** *Organizers who fail to submit head taxes risk loss of Club Certification and the ability to host other competitions until coming into compliance.*

3. **REGIONAL DEVELOPMENT TEAMS – FEE WAIVERS**

<u>Named</u> members of the U.S. Regional Development Teams are entitled to waived event fees (entry and lift). These athletes are exempt from payment of U.S. Ski & Snowboard National Head Tax. (Refer to MPF 52: Head Tax Waived Athletes, September 2025.)

4. **U.S. SKI & SNOWBOARD FIRST REPORT OF ACCIDENT**

- Required for <u>all</u> injuries involving athletes, coaches, officials, spectators.

  - regardless of national federation affiliation

  - regardless of whether or not the accident/injury occurred within the race arena fencing

  - regardless of whether or not Ski Patrol evacuation was required

Online filing is <u>required</u>; reporting form and instructions can be found under "Participant Accident" at

usskiandsnowboard.org/sport-development/club-development/club-insurance.

- *First Report(s) of Accident for named U.S. Ski Team members will be filed by U.S. Ski & Snowboard staff.*

5. **ELECTRONIC TIMING**

Time of day times must be immediately and automatically sequentially recorded on printed strips __or memorized electronically.__ (U611.2.1; 611.2.1 adds "for level 3 and 4, is acceptable.")

6. **CHIEF TIMEKEEPER**

The Chief Timekeeper must publish unofficial times as quickly as possible (on the <u>scoreboard</u>, etc.) If the electric timing fails, the Chief Timekeeper must communicate immediately with the Start Referee and the TD. __The equivalent Electronic Time report must be prepared. The Jury must control and approve it. The report may also be shown to the representative of the nations concerned__. (U612.4; 612.4 requires Jury control and approval.)

7. **INTERDICTION TO CONTINUE**

If a competitor's **skis** come to a complete stop, they must no longer continue through previous or further gates. If a competitor continues without their skis coming to a complete stop, they must not interfere with the run of the next competitor or be passed by the next competitor. (614.2.3)

8. **GROUNDS FOR INTERFERENCE**

Blocking of the course has been replaced by blocking of the **"racing line"** in both articles. (623.2.1 and 623.2.2)

__Clarification of the intent of Art. 623.2.3__: Blocking of the racing line by a broken or detached pole <u>caused by the competitor</u>. This applies to all non-FIS events as well as FIS Level 1, 2, 3, 4 events.

9. **CANCELLATIONS OR POSTPONEMENT - Clarification**

Observing applicable deadlines, postponements must have a future date, otherwise the event is considered canceled.

GENERAL REVIEW AND CLARIFICATION - U.S. SKI & SNOWBOARD AND FIS:

1. **VERIFICATIONS: MEMBERSHIP, ETC.: Required prior to granting race arena/venue access.**

   - The Race Administrator must verify that membership status for all named officials, coaches, course setters (if not a coach), forerunners, and competitors is current and not "Pending."

   - The Race Administrator must verify that all named officials and course setters (if not a coach) are appropriately certified for their position.

   - The Race Administrator must verify that the "Last Clinic Season" for all named officials, coaches, and course setters (if not a coach), is "**Season 2026**."

   - The Race Administrator must verify the <u>non-presence</u> of all named officials, coaches, course setters (if not a coach), and adult forerunners on the Centralized Disciplinary List.

   - The Race Administrator must verify the <u>non-presence</u> of all athletes on the Membership Hold List.

2. **ADDITIONAL COACH REQUIREMENTS**

   - Pursuit of coach certification is required for all coach members, and "<u>Active</u>" coach certification is required in order to register for a U.S. Ski & Snowboard sanctioned competition and be granted race arena/venue access.

   - For coaches who have never been certified, being "<u>In Progress</u>" towards Level 100 certification will meet the requirement.

   - Level 200 Coaches will be required to be a certified Referee.

   - Sport Education CE (continuing education) completion is separate from required yearly attendance at an Alpine Officials' Continuing Education (Update & Review). Attendance at both is required.

   For additional details, contact **sporteducation@usskiandsnowboard.org**.

3. **FORERUNNERS**

   <u>**U.S. Ski & Snowboard event**</u>: Forerunners must hold a current U.S. Ski & Snowboard membership; e.g., Competitor, Coach, Official, Volunteer, Master w/Requirements, Non-Scored Athlete, Short-Term Athlete, or General.

   NOTE: *Coach, Official, and Volunteer memberships may be accepted in order for an individual to serve as a forerunner. Coaches must take note, however, that forerunning may not be included in the duties outlined in their club employment contract. **In addition, regardless of the type of membership, an event's equipment and vertical drop regulations apply to <u>all forerunners</u>.***

   <u>**FIS event**</u>: Forerunners must hold <u>either</u> a current U.S. Ski & Snowboard membership <u>and</u> FIS inscription <u>or</u> inscription in a foreign federation recognized by FIS. In cases of *force majeure*, where a sufficient number of FIS-inscribed forerunners are not available, an eligible U.S. Ski & Snowboard member may forerun after signing a FIS Athlete's Declaration. **[**605.1**]**

   NOTE: FIS Athlete Declaration requires a parent or legal guardian's signature for an athlete who is not of legal age.

   <u>**Adult Forerunners – Minor Participants:**</u> Adult (18+) forerunners at events <u>including minor participants</u> (U18 and younger) must be in good standing with a membership that includes SafeSport training and background screening. *The "Alpine Master" and "Short-Term Alpine Master" memberships do not meet this requirement and <u>are not</u> allowed.*

   <u>**Masters Events:**</u> U18 and younger forerunners, <u>including those with General and Short-Term Memberships</u>, at Masters events where competitors may have the "Master" or "Short-Term Alpine Master" memberships that do not include SafeSport Training and background screening <u>*must be accompanied by a parent or legal guardian or at least two (2) U.S. Ski & Snowboard members with a membership that includes SafeSport training and background screening*</u> *(e.g., Coach w/Official, Official, Volunteer, Masters w/requirements).*

As with all U18 and younger events, if U18 athletes will be forerunning a Masters event, a communication pertaining to athlete safety policies must be sent to all participants, and the QR code must be posted at the registration area.

List of approved Forerunners must be provided for the Start Referee. This is critical if a Condensed Start List is being generated or race result software does not provide enough space to list the names of all approved Forerunners.

4. **GOLDEN RULE**

    - Events using TRS (Butterfly) Seeding:

      Athletes who have been granted Golden Rule Seeding will start 16th+ in all runs or races of the same series unless original start list preparation (random sort)/flip/butterfly affords them a more favorable (earlier) start position.

    - Events not using TRS (Butterfly) Seeding:

        - All events, First Run U621.3.1: Adaptive athletes will be seeded in special groups with start order: 16-20, 36-40, etc., or by seed points, whichever is more favorable. (Placement within groups is by national point ranking.)

        - Second Run with Flip 30 U621.11.3.2: Adaptive athlete groups will start in the 31st position unless first-run time affords a more favorable (earlier) start position. (Placement within groups will be by the results of the first run.)

        - Second Run with Flip 15: Adaptive athlete groups will start in the 16th position unless first-run time affords a more favorable (earlier) start position. (Placement within groups will be by the results of the first run.)

        - Adaptive athletes who are shown as DNS, DNF, DSQ, or NPS in the first run can start in the second run with their original bib immediately after the last qualified competitor has completed their run.

    - Athletes who have been granted Golden Rule seeding may compete using the equipment appropriate to their disability.

    - Adaptive athletes who are visually impaired will be accompanied by a guide. The guide provides verbal instructions to the athlete and is accorded the same consideration as the athlete. Start Referee should skip a minimum of one start interval following the start of a visually impaired athlete and their guide; Jury must be notified of any changes to start interval.

    NOTE: The Golden Rule is not valid for FIS events.

5. **RACE ARENA versus RACE VENUE**

    The Jury is responsible for technical matters within the **closed competition areas**. **[601.4]** The **closed competition areas** are defined as the "race arena" which is accepted as being those areas which the Jury inspects and accepts as being suitable for competitors' presence:

    - **within** (the side-to-side fencing)

    - **without** (start area and finish arena) the confines of the competition area

    - any location connected with the competition **[223.2.1]**

    The Jury does inspect and accept:

    - the start and finish areas as well as the ingress and egress to these areas

    - the racecourse

    - the type and placement of the on-hill competitor security

    The Jury does not inspect or accept:

    - lift areas

    - parking lots

- cafeterias

- terrain parks, public trails, team meeting rooms, warmup area and warmup courses, etc.

In addition to noting that sanctions can be applied and a penalty imposed for "actions within and without the competition area," **223.2.1** includes conduct within "any location connected with the competition." These locations include, but are not limited to the following areas that are required for the orderly conduct of an event: Team Captains' Meetings, Jury meeting areas, timing building, equipment control area. *Neither the "closed competition areas" (within or without the fencing) nor "any location connected with the competition" include lift lines, cafeterias, or parking lots, etc.,* **_unless rules state otherwise;_** *e.g., U14 regulation which prohibits waxing application on ski area property.*

6. **SPLIT SECOND / VOLA INTERFACE**

If the event data is being managed with Split Second, but your Chief of Timing & Calculations is timing with VOLA, it is possible to transfer data between the systems. However, it is recommended that only bib #'s and times be exported from VOLA timing and imported to Split Second. If athletes' names are imported, verify that athletes who have double last names: e.g., "VAN HORN, Eric" transfer from VOLA in the original format: VAN HORN, Eric not VAN, HORN Eric. The misplaced comma will result in FIS and U.S. Ski & Snowboard autoscore systems rejecting the XML file.

7. **FIS EVENT ENTRY AUTHORIZATION LETTERS (TRAVEL LETTERS)**

- Only National Ski Associations (Federations) are entitled to make entries for international competitions.

- Some foreign federations may issue an entry authorization (travel) letter which allows foreign athletes training with U.S. Ski & Snowboard clubs or attending USA schools/colleges/universities to be entered by their coaches.

- Several nations, e.g., Austria, Canada, Great Britain, and Spain currently do not issue authorization (travel) letters; entries for competitors from these nations must originate from the respective Federation; cover email should be retained in the Organizing Committee's event file.

- Entries submitted by the foreign Federation must list the names of **all** personnel accompanying the athlete(s) and for whom race arena/venue access is requested; e.g., coach, trainer, ski technician, physical therapists, medical staff.

Due to issues controlling the entry of some non-USA athletes into USA FIS events, U.S. Ski & Snowboard adopted the following policy regarding entry authorization (travel) letters.

- **U.S. Ski & Snowboard will only manage authorization letters for foreign athletes who <u>are</u> also competitor members of U.S. Ski & Snowboard.**

- Authorization letter must be sent to **chip.knight@usskiandsnowboard.org**; it *must also be sent to the Regional Manager for the Region where the athlete is training.*

  - Letters must be submitted directly by the respective National Ski Association.

  - A list of U.S. Ski & Snowboard foreign athlete members (X membership) for whom authorization letters have been received is available at **usskiandsnowboard.org/competition/points/alpine-points**. This site will provide a link to the google doc which is updated as information is received.

U.S. Ski & Snowboard's policy regarding entry authorization (travel) letters for foreign athletes who **<u>are not</u>** competitor members of U.S. Ski & Snowboard is as follows:

- Authorization letter provided by the foreign federation allowing a club/school/university coach to enter an athlete must accompany the official FIS entry.

- Official FIS entry must include the names of all personnel accompanying the athlete(s) and for whom race arena/venue access is requested; e.g., coach, trainer, ski technician, physical therapists, medical personnel.

- Authorization letter must be accompanied by the cover letter from the foreign Federation.

- Accuracy of the following information in the authorization letter must be verified.

  - Date of letter

- Name, gender, nation, FIS inscription code for athlete

- Date of applicable season

- Authorization letters will only be recognized for FIS category and below. ***Entries for World Cup, Nor-Am Cup, and National Championships must be submitted directly by the respective National Ski Associations.***
  NOTES:

- Foreign entries not submitted by actual National Ski Association and for whom no authorization letter has been submitted to U.S. Ski & Snowboard must not be accepted.

- There is a possibility that small groups of foreign athletes may be training in North America and may seek entry into U.S. Ski & Snowboard FIS events and will be represented by coaches from their NSA. Because they are not members of U.S. Ski & Snowboard and training with USA clubs/schools/colleges/universities, authorization letters will not be on file with U.S. Ski & Snowboard. ***You must contact U.S. Ski & Snowboard Competition Services prior to refusing any FIS entry.***

8. RESULT PROCESSING – XML FILE and EVENT DOCUMENT PACKETS

- Individual event XML race result files are uploaded at **race-results.usskiandsnowboard.org/**

- Following successful uploading of the XML race result file, if the PDF "Event Document Packet" has been completed, it may be uploaded during the same access window as the corresponding XML race result file.

NOTE: An error has been discovered **only** in the upload process for Event Document Packets. IT is currently working on implementing a patch, but if they are not successful, the above upload option will not be available, and all Event Document Packets will have to be emailed to resultpackets@ussa.org.

- If the PDF "Event Document Packet" is not completed until after the XML race result file is uploaded, or you are unable to successfully utilize the upload function, the PDF "Event Document Packet" must be emailed to **resultpackets@ussa.org**. *The U.S. Ski & Snowboard transmittal number must be used as the email's subject.*

NOTE: Login for clubs hosting sanctioned events or a previously-approved login for individuals who do not have access to the club login will be required to access the upload platform. If an official is unable to log in, contact Competition Services for assistance.

9. START NUMBER or BIB NUMBER

617.3.3 If two or more competitors have the same time or the same number of points, the competitor with the higher start number must be listed first on the official list of results.

- **Split Second** breaks a tie in time by defaulting to an athlete's actual "start number."

- **VOLA** interprets the "start number" to be the "bib number" and breaks a tie in time by defaulting to an athlete's actual "bib number."

Refer to these defaults when inserting an athlete in a start order or assigning an out-of-sequence bib:

- **Split Second**: inserting an athlete after the first group and assigning 15A will affect Split Second's tie breaking capability because Split Second will not accept the start number + alpha character.

- **VOLA**: assigning an out-of-sequence high value bib number to replace a missing bib; e.g., Start 6 wearing Bib 106 will affect VOLA's tie breaking capability should a tie in time occur, for example, between Start 6 Bib 106 and Start 20 Bib 20; (Bib 106 will be ranked before Bib 20 regardless of the earlier start.)

10. HELMET RULES

Soft ear protection is only permitted for helmets used in Slalom. *Soft ear protection is not allowed in Parallel events.*
[U707, U807, U907, U1007, U1233, Helmet Rules]

Reminder: For all events, (FIS, non-FIS scored and non-scored), helmet-mounted cameras and/or their mounts are not allowed for use by either competitors or forerunners. The helmets shall have no spoilers nor protruding parts.

11. U12 and U14 SUPER G TRAINING RUN

Official training for U12 and U14 Super G <u>must</u> include at least one Super G training run prior to the first competition. Official training for these age groups is an integral part of the competition, and <u>all athletes are required to participate</u>. In exceptional cases, a <u>Jury can authorize a controlled freeski run</u> in lieu of an official training run. The Jury decision must be documented in Jury Minutes. If racing with U16 athletes, ACR U1256.4 applies, and a training run must be calendared.

<u>All</u> sanctioned speed training runs/camps – Downhill or Super G – require that a full Jury be empaneled. In addition, they must also carry either liability insurance coverage through the U.S. Ski & Snowboard provider or through the Organizing Committee's provider.

12. RESULT PROCESSING FOR NON-TIMED TRAINING RUNS

In order to provide a record of participants in a Non-Timed Training Run insured through the U.S. Ski & Snowboard provider and to capture the names of the officials, complete the following:

- With all participants' status classified as **<u>DNS</u>**, submit an XML result file to **race-results.usskiandsnowboard.org/.**

- Notify Jeff Weinman of any athletes that actually **<u>were DNS</u>**.

- Submit an Event Document Packet containing documents listed in the MPF "05 Non-FIS Event Document Packets."

13. SKILLSQUEST

- The Jury members for a <u>sanctioned</u> SkillsQuest Tournament are: Technical Delegate, Referee, and Chief of Race. *(The Chief of Race may also be serving as the SkillsQuest Tournament Director.)*

- A SkillsQuest Technical Delegate's Checklist for U.S. Ski & Snowboard <u>sanctioned</u> SkillsQuest events is available in the Master Packet of Forms.

- Roster of Participants and SkillsQuest Score Card (**usskiandsnowboard.org/index.php/sport-programs/skillsquest**) must be submitted to **jeff.weinman@usskiandsnowboard.org**.

14. WIRELESS TIMING

Wireless timing has been approved for U.S. Ski & Snowboard non-championship events. <u>FIS further restricts its use to FIS Level 3 and FIS Level 4 only</u>. An application for the use of wireless timing at U.S. Ski & Snowboard events has been drafted, and a link to the application is available in the Master Packet of Forms (MPF). Please contact John Jett (**jjett@cjtiming.com**) or Matt Howard (**matt.p1timing@gmail.com**) for details.

15. MANUAL TIMEKEEPING VERIFICATION

- **Take the time to verify manual devices are still synchronized.** Verification prior to the start of Bib 1 allows time to address any issues.

  If electronic timekeeping systems fail, immediately verify hand times are available for the racer for whom an electronic time is not available.

16. SUPPLEMENTARY REPORT or an ADDITIONAL REPORT OF THE TECHNICAL DELEGATE

- A <u>Supplementary Report</u> is filed by the Technical Delegate to document event anomalies. Under some circumstances, the Referee may also be required to file a Supplementary Report.

- An <u>Additional Report of the Technical Delegate</u> is used to address issues that may or may not require re-homologation of a racecourse.

- Hear and consider all testimony and other evidence.

- Allow accused person the opportunity to present a defense and review all evidence (question witnesses, etc.).

- Deliberate.

- ▪ Make a fair decision.
- ▪ Review, vote, and sign prepared Jury Minutes documenting the decision.
- ▪ Notify affected parties. (FIS Office will address sanctions that involve a monetary sanction.)

17. DUE PROCESS [224.7]

Prior to the imposition of a penalty (except in cases of verbal reprimands and withdrawal of accreditation), the person accused of an offense shall be given the opportunity to present a defense at a hearing, verbally or in writing. Defense can include, but is not limited to the following:

- • Being advised of infraction.
- ▪ Hearing and considering all testimony and other evidence.
- • Questioning all witnesses upon whose testimony the Jury relies.

Considering information from a witness who is unavailable for questioning by the accused would create a serious issue. It is also unwise for Jury members to discuss a situation and consider possible penalties prior to considering all evidence.

The Jury must adhere to the following policy:

- • Consider infraction.
- • Question witnesses – including athlete, coach, Gate Judge, etc. – upon whose testimony the Jury relies.
- • Hear and consider all testimony and other evidence.
- • Allow accused person the opportunity to present a defense and review all evidence (question witnesses, etc.).
- ▪ Deliberate.
- ▪ Make a fair decision.
- ▪ Review, vote, and sign prepared Jury Minutes documenting the decision.
- ▪ Notify affected parties. (FIS Office will address sanctions that involve a monetary sanction.)

18. PROVISIONAL STARTS – IMPORTANT POINTS

- • An athlete who is granted a provisional start that is later found to be unjustified is subject to "sanction."
- • Depending on circumstances, the sanction may include a DSQ. Prior to imposing the DSQ, Jury must decide whether or not the competitor's later start provided an unfair advantage, e.g., improved weather conditions.
- • A competitor shall only be disqualified if their mistake would result in an advantage for them with regard to the end result, unless the Rules state otherwise in an individual case, e.g., gate fault; false (early/late) starts. **[223.3.3]**
- • If a provisional start is not approved, the competitor's status <u>must not</u> be changed to DNS. The only available option is DSQ, but then only if the provisions of Art. 223.3.3 have been met.

19. COLLECTIVE OFFENSES [224.3]

In accordance with Art. 224.3, a "collective offense" occurs when several persons:

- • Commit the same offense,
- • at the same time,
- • under the same circumstances.

When addressing sanctions related to collective offenses:

- • Jury's decision as to one offender may be considered binding upon all offenders.

Written decision shall include:

- ▪ Names of all offenders concerned.

- Scope of the penalty to be assessed upon each offender.

Decision will be delivered to each offender.

20. **U12 and U14 AGE GROUP RULES**

- U12 and under competitors are only allowed to use one (1) pair of skis <u>in the race arena</u> as required for an event's inspections and competition.

  Mandate is <u>not intended</u> to preclude an athlete using a different pair of skis to freeski while not in the race arena.

- Wax benches are not allowed in U14 and younger race arenas.

- Wax application is not allowed at a U14 and younger competition venue. A "competition venue" is defined as the "ski resort property."

21. **FORCE MAJEURE**

In Alpine competitions, "force majeure" describes those uncontrollable/unexpected events (such as extreme weather, extreme surface conditions) that are not the fault of any party and that make it difficult or impossible to carry out an event. *Force majeure is "uncontrollable and unexpected;" it is not "planned."*

- An unexpected weather occurrence that requires a program/course/assignment change.

- A last-minute ski area management decree.

22. **TENURE OF THE JURY**

In accordance with Art. 601.4.4.2, the active tenure of the Jury begins with its first meeting and ends, if no protests are submitted, at the expiration of the protest deadlines as noted in Art. 643 (Deadlines for Submittal). If protests are submitted, the tenure of the Jury ends after settlement of all submitted protests.

- If the Jury is no longer empaneled, they <u>may not</u> re-evaluate a previous decision.

- If the Jury is no longer empaneled, they <u>may not</u> alter an athlete's status; e.g., assign/unassign DSQ based on previously unavailable video.

- A Jury may re-evaluate a previous decision (Art. 640.2) but <u>only</u> if tenure <u>has not ended</u> (Art. 601.4.4.2).

23. **JURY MEMBERS AND THEIR VOTES**

Start and Finish Referees are voting members of the Jury only for Olympic Winter Games and World Ski Championships. For other events, they **must not** be listed as "Jury Members Present," as they have no vote; they do not sign Jury Minutes. *Marking "NO" indicates a "NO" vote; it does not mean an official does not have voting rights.*

24. **EVENT RELATED DOCUMENTS**

For events with no issues (injuries or accidents), it is recommended all event-related documents be kept on file for one (1) year. In the case of an event with serious injury/accident as defined by the Guidelines for Serious Accidents, the Technical Delegate must immediately contact Jeff Weinman, U.S. Ski & Snowboard Competition Services for instructions. The Technical Delegate must coordinate with the Ski Patrol and verify the information contained in the 4-page TD Accident Report.

TIMING CHECKLIST

Interconnects 1. Is there wire? Does it work? Are you sure?

Equipment 2. Is the equipment on the current list of timing equipment homologated by the FIS Timing Working Group? (fis-ski.com/DB/information/homologated-timing-equipment.html)

Setup 3. Are the Time-of-Day times immediately and automatically sequentially recorded on printing strips or memorized electronically at the maximum precision of the timing device according to the requirements for homologation? (Refer to the above website to verify the required precision for each device.)

Software 4. If timing software is used to calculate times, is it calculating net times using the precision of ToD as used in the timing device?

Hand Timing 5. Is hand timing that records to at least 1/100th (.01) precision available?

Quality 6. Is the timing crew aware that hand times, even if not used, should be within acceptable limits?

Start Gate 7. Does the Start Gate meet the following requirements?
   a. Does the start have 2 separate electronically isolated switch contacts for triggering the start inputs from both System A and System B?
   b. One wand?
   c. Installed at proper height?
   d. Are identical Start Gate mechanism & Wand available for replacement?
   e. Is the placement marked on the Start Posts?
   f. Are the Start Posts solidly installed?

Finish Eyes 8. Do the Finish Photocells meet the following requirements?
   a. Are 2 sets available?
   b. Are 4 posts with a maximum diameter of 6cm available for mounting photocells? (2 are acceptable; replacements must be available)
   c. Is the vertical separation between the beams no greater than 20cm?

Synchronization 9. Have system A and System B been synchronized as close as possible to the scheduled start time for the first run of the day?

10. Has the synchronization been performed from one single contact switch for all timing devices?

Systems 11. If System A fails, is the timing crew aware of the requirement to use System B times to calculate a replacement time (EET) for the missing impulse?

12. Is the timing crew aware that manual timekeeping is not used to calculate a replacement time (EET) impulse unless both System A and System B fail?

Season 2026

TIMING & DATA TECHNICAL REPORT WORKSHEET INSTRUCTIONS

The following Worksheet has been developed to more closely mirror the order in which data is entered into the TDTR software. *It is used only for taking notes of data required by the software!*

- One Timing Report (TDTR) is required for each Codex/Transmittal Number

- TDTR Software: Can be found at:
  fis-ski.com/en/inside-fis/documents-library/timing-data

- Software will provide both an XML file and a PDF file

- In addition to reporting requirements, XML file must be submitted to:
  tdtr@usskiandsnowboard.org

- Replacement Time Calculations (EET's): If required, all calculation sheets must be included in report submittals

- Time of Day (ToD) entries must be expressed in precision used for net time calculations equal to the precision of the timing device

- Enter Start/Finish Hand Times exactly as they are recorded or displayed by the hand timekeeping device

For more information, refer to "How to Prepare a TDTR.pptx" on the U.S. Ski & Snowboard website.

Discipline		Date	
Season	Nation	FIS Codex / US Code	/
Location		Category	
Event Name		Event	DH SG GS SL P
		Gender	M W
	Technical Delegate	Chief of T & C	Timekeeper/Timing Company
Last Name			
First Name			
Nation			
TD Number			
		Telephone	
		Email	
	Brand	Model	Serial No
System A Timer(at			
System B Timer(at			
Timer A Start (if used)			
Timer B Start (if used)			
Start device			
Start Clock / Beep			
Finish Cell A			
Finish Cell B			
Connection to start cable, radio or other	System A	System B	Voice connection
System A not used		System B not used (reason)	
Result software	Company & Version		
	System A (ToD)	System B (ToD)	Hand
Synchronization time			
Sync confirm at +1 min			
	1st Run		
	System A (ToD)	System B (ToD)	Hand
Start ToD First Comp			
Finish ToD First			
Net Time First - A	Time	Bib # first	
Start ToD Last Comp			
Finish ToD Last			
Net Time Last - A	Time	Bib # last	
Best Run System A	Net Best	Bib # best	
	2nd Run		
	System A (ToD)	System B (ToD)	Hand
Start ToD First Comp			
Finish ToD First			
Net Time First - A	Time	Bib # first	
Start ToD Last Comp			
Finish ToD Last			
Net Time Last - A	Time	Bib # last	
Best Run System A	Net Best	Bib # best	
Were all results from system A?	Yes	No	
Comments run 1		Comments run 2	

Alpine Skiing

2025/2026

1st FIS points list 2025/26

Valid from 03-07-2025 to 16-07-2025

Category/Catégorie/Kategorie	Race level	Minimum penalty	Maximum penalty
OWG,WC,WSC	0	0.00	0.00
COM,WQUA	0	0.00	4.00
ANC,EC,ECOM,FEC,NAC,SAC,UVS,WJC	1	15.00	999.00
EQUA	1	23.00	999.00
NC	2	20.00	999.00
AWG,CISM,CORP,EYOF,FIS,FQUA,JUN,NJC,NJR,UNI,YOG	3	23.00	999.00
CIT,CITWC	3	40.00	999.00
ENL	4	60.00	999.00

MEN							GENERAL		WOMEN						
ADDER					Z-Value		Men/Women		ADDER						Z-Value
Disc.	Level 0	Level 1	Level 2	Level 3	Level 4		F Value	Max points	Disc.	Level 0	Level 1	Level 2	Level 3	Level 4	
DH	0	0	0	0	0	0.00	1250.00	330.00	DH	0	0	0	0	0	0.00
SL	0	0	0	0	0	0.00	730.00	165.00	SL	0	0	0	0	0	0.00
GS	0	0	0	0	0	0.00	1010.00	220.00	GS	0	0	0	0	0	0.00
SG	0	0	0	0	0	0.00	1190.00	270.00	SG	0	0	0	0	0	0.00
AC	0	0	0	0	0	0.00	1360.00	270.00	AC	0	0	0	0	0	0.00

FÉDÉRATION INTERNATIONALE DE SKI
INTERNATIONAL SKI FEDERATION
INTERNATIONALER SKI VERBAND

USA Wireless Timing Application

Application to use wireless timing at a US Ski and Snowboard sanctioned FIS or non-FIS race in the United States:

- The application for wireless timing must be completed and received not less than 2 weeks before the first day of racing for the respective event.

- Applicant, <u>at a minimum</u>, MUST be a USA-certified Level 2 Timing & Calculations official.

- Event for which the application is being submitted must be a non-championship event.

- All applications are subject to approval.

- Applications must be filed online at: https://forms.gle/DsHR5Hi6pvy7w1EG6

Current FIS Alpine Skiing Timing Booklet is available at:
https://www.fis-ski.com/inside-fis/general-fis-documents/timing-data#Timing%20and%20Data%20Booklets