

UNITED STATES SKI & SNOWBOARD ASSOCIATION

2001-2002 TEACHING REVIEW AND UPDATE – ALPINE

In May 1999, the United States Ski and Snowboard Association Alpine Sports Committee ratified competition regulations for alpine. These regulations are adopted from the FIS ICR, but are specific to USSA competitions. These regulations are published in the current Alpine Competition Guide and are also available at www.ussskiteam.com. *The FIS International Competition Regulations (ICR) and adjuncts shall govern any and all issues not addressed therein.*

For all events scheduled by USSA as FIS events, *only* the rules of the FIS apply. In cases that are not addressed by the USSA Alpine Competition Regulations for USSA events or by the ICR for FIS events, or in cases where the rules must be interpreted, the authority for making decisions will rest with the Competition Jury.

IT IS EVERY OFFICIAL'S RESPONSIBILITY TO READ AND BE FAMILIAR WITH THE RULES FOR THE SPORT. THESE RULES INCLUDE, BUT ARE NOT LIMITED TO, CURRENT EDITIONS AND PRECISIONS OF THE ICR, USSA ALPINE COMPETITION REGULATIONS, RULES FOR THE ALPINE CONTINENTAL CUPS, WORLD CUP RULES, AND RULES OF THE FIS POINTS.

GENERAL REVIEW AND CLARIFICATIONS:

1. **EQUIPMENT:** All equipment requiring homologation and/or approval must be verified against *current* lists posted on applicable web sites.
2. **PROTESTS:** If a USSA or FIS Technical Delegate's Report indicates protests have been filed and/or sanctions imposed, applicable Jury Minutes must be included in the race packet.
3. **DISQUALIFICATION:** [630.3.3] a competitor must not be disqualified if he committed an offense (630.1.1) that failed to be advantageous in regard to the final result.
4. **INJURIES:** USSA must be notified of injuries at *all* USSA-sanctioned events where Technical Delegate believes an injury claim may result. The required form, American Specialty Insurance First Report of Accident, is available on the USSA web site. For FIS notification requirements, refer to "Guidelines for Serious Accidents".
5. **USSA MEMBERSHIP:** Jury members, Jury Advisors (Start & Finish Referees), Chief of Course, Course Setters and forerunners are required to either be *participant members of USSA* as an Official, Coach, or Competitor or qualified members of a foreign FIS Federation. *USSA Associate membership does not constitute a "participant membership"*.
6. **RESULTS:** [617.3.4] The official result list must contain – for each run – the names and nations of the Course Setter(s) and the forerunners, the number of gates (GS and SG: Between brackets the number of direction changes), and the start time.
7. **GIANT SLALOM:** [901.2.4] The Giant Slalom has to be set as follows: 11-15% of the vertical drop in meters = number of direction changes by rounding up or down of the decimals.
8. **MEASUREMENT OF DH/SG COURSES:** Length of course must be measured with either a measuring tape or a wheel along the approximate race line so as to reflect the distance traveled over the snow. Length has to be published on **start list** and **results**. [2.2.7.3.4, 3.1.1.2, 3.4.1.2; 617.3.4, 701.2, 1001.2] *This measurement is required for both FIS and USSA events.*
9. **TIMING:**
 - a) Manual (hand) timing *must be* completely *separate* and *independent* of the electric timing. *Stopwatches or hand-held battery operated timers* are the only approved manual (hand) timing methods.
 - b) [611.2.2] Stopwatches must be capable of expressing times to a precision of 1/100 (0.01) of a second.
 - c) All rules for timing must be followed or the Technical Delegate cannot recommend that a race be scored. Technical Delegates are required to acknowledge use of proper timing equipment. A "Timing Technical Report Form" **for each run and each gender of FIS-calendared and USSA-scored races**, prepared by the Chief of Timing and **signed by both the Technical Delegate and the Chief of Timing *must*** be included with the FIS/USSA Race Results Packets. *(Exceptions to timing equipment requirements for USSA-scored events may be made on a petition basis through the USSA office to the chairman of the Timing Working Group in advance of the*

competition season; exceptions are not available for FIS events.) Approved exceptions only apply to equipment requirements and not to reporting requirements; Timing Technical Report(s) must still be submitted. [2.2.1.2; 611, 603.4.9.1]

10. **USSA WEB SITE:** USSA approved software, list of approved timing equipment, rules updates, USSA and FIS forms, USSA transmittal numbers, FIS codex numbers, USSA and FIS Points are among the items that are posted electronically on USSA's web site. Competitors' records may be viewed and ranking lists may be requested by various parameters, including division and year of birth. "Adobe Acrobat" reader that is needed to read "pdf" files as well as "WinZip" for unzipping form packets is also available for downloading.

FIS REVIEW AND CLARIFICATIONS:

1. FIS MEMBERSHIP:

- a) All athletes who wish to compete in a FIS-sanctioned event **must** have a FIS code number prior to entering the event. This provisional FIS number must be requested from the USSA Alpine Office. When possible, provisional FIS numbers will be issued between FIS lists. A provisional number will allow an athlete to compete in FIS races, however he/she will not appear on the FIS Points List until official FIS inscription is complete. All provisional FIS requests and inquiries should be addressed to Jennifer Pauole, jenniferp@ussa.org.
- b) Late fee for FIS inscription is \$180; for competitors wishing immediate confirmation of codes and points, an **additional** \$200 fee will be charged. For details, contact Divisional Office, Regional Office or Jennifer Pauole at the USSA National Office.
- c) FIS inscriptions are generally 6-digit numbers (535335). Nations (AUT, for example), whose numbers would normally start with a "zero" will only have 5-digit numbers (55708); USSA software will automatically add the "zero". New FIS inscriptions may have a 7-digit number; a six (6) is added to the beginning (6535909).

2. RACE RESULTS:

- a) **Composition of the filename for FIS competition results:** "999" is to be used in place of the Technical Delegate's number when the number is not known; "999" is also used for Technical Delegate Candidates.

Correct format for filename is:

3-letter country code where race is being held	USA	
4-digit "codex" number assigned by FIS	9999	
Decimal point	.	
3-digit TD number	999	USA9999.999 is the correct format

- b) All FIS race results must be transmitted by e-mail in the approved FIS Ski Data 2.02, or later, format. **NOTE: It may be necessary to "zip" the attachment containing the race results; "zipped" files are automatically "unzipped" and read by FIS.** If the organizer does not have the proper software, the National Ski Association will have the obligation to transmit the results. **Races will not be entered manually by the FIS.** E-mail addresses are: alpineresults@fisski.ch and longhi@fisski.ch. In addition, the FIS Technical Delegate report is to be *faxed* to the FIS Bureau at +41-33-244-6171

E-mail confirmation to sender will follow within 1 or 2 minutes. Confirmation message will contain 1 of the following messages: **NOTE: Within the file, the "codex" is the 4-digit number assigned by FIS; it does not include the Nation or the Technical Delegate's FIS number.**

- File conforms; results usable and being loaded. (However, they will not be in points system until Report by the Technical Delegate is received.)
- File conforms but with some errors listed that are being corrected automatically. Following errors are corrected but need to be verified on hard copy and in Report by the Technical Delegate. Errors that need to be checked, corrected and reported are:
 - Category not same as in FIS Calendar (WC, COC, FIS, etc.)
 - Discipline not same as in FIS Calendar
 - Ranking of ties incorrect
- File cannot be loaded, as information is incomplete. File must be corrected and resent
 - Wrong codex
 - Incorrect date
 - FIS inscriptions do not match (athlete code numbers)
 - Unknown competitors
 - Times not correct
- File received but can't be identified; return to sender

Results e-mailed in correct format, which conforms to the database, will be posted on FIS web site within 1-2 minutes. If not in correct format, posting must wait until receipt of Report by the Technical Delegate.

- c) In addition to current submittal requirements, copies of **all** FIS race result packets must be submitted to:
Tom Winters; 4250 E. Placita Baja; Tucson, AZ 85718
3. **SL and GS HOMOLOGATIONS:** [650.6.6.2] Slalom and Giant Slalom Homologation certificates are valid for ten years from the date of issue. After that a rehomologation must be done.
4. **DH TRAINING:** A SG race may not be considered as a DH Training Run. Further, 3 days of DH Training must be scheduled in the Calendar and in the race schedule included in the race notice. Only the Jury may decide if this needs to be shortened due to weather or other factors. Further, DH preparation must be complete before the first training as per the rules and the TD must arrive no less than 48 hours before the first Team Captains' Meeting to check on this and to ensure all competitor protection is installed.
5. **ADDRESSES:**
- a) FIS web site address is www.fis-ski.com. Web site can also be accessed through USSA link.
- b) Correct address for Alpine Canada Alpin is: Alpine Canada Alpin
200, 505 8th Ave SW
Calgary, AB T2P 1G2
CANADA

FIS UPDATE 2001 - 2002:

1. FIS POINT LISTS and CALENDAR:

- a) Beginning 2001-2002, FIS list will only be produced electronically. To accommodate utilization of the list, the FIS has produced "FIS List Software" which is available for free download and use.
- b) This will be the first year that FIS does not print a "FIS Calendar". All information (calendar and rules) will be available on the FIS web site; updates will be posted on a regular basis.

2. FIS TD's:

- a) In the case of changes to the calendar, the assignment of replacement Technical Delegates is to be made by the individual in each region as appointed by the USSA TD Commissioner, Tom Winters, to deal with FIS Technical Delegate matters.
- b) No changes may be made later than 3 days before a race.

3. **LIMIT ON RACE STARTS:** [609.3] Competitors who are 15 by 31 December 2001 (first-year FIS) will only be permitted a total of 25 starts for the 2001/2002 season, which starts July 1 and ends on June 30. This applies specifically to athletes born in 1986 and includes all levels of FIS competition: Regional, NC, NAC, SAC, FEC, etc. If an athlete has more than 25 starts, these additional starts will be purged from the athlete's FIS points record; additionally the athlete and the athlete's manager, the individual(s) responsible for submitting the entry, may be subject to sanction.

4. PENALTY CALCULATIONS:

- a) **Factors (F Values) for 2001-2002: These are used to calculate both FIS and USSA race points.**

DH - 1280 SL - 570 GS - 830 SG - 1030

- b) **Maximum FIS values for 2001-2002:**

DH - 310 FIS points SL - 145 FIS points GS - 200 FIS points SG - 250 FIS points

- c) **Category Adders, respectively minimum penalties, for 2001-2002 (effective 1st FIS List):**

World Cup	0	National Champs	8
Continental Cup	6	FIS Races	9

- d) **NOTE: The WCSL will go from 0.00 to 5.99 for top 30. FIS points will start at 6.00**

5. COMPETITION EQUIPMENT:

The new measurements for season 2001/2002 which were approved by Council in autumn 2000 are as follows:

	Ladies	Men
DH radius (minimum)	40 m	40 m
SG radius (minimum)	33 m	33 m
GS radius (minimum)	21 m	21 m

Marking of radius for DH, SG and GS skis is compulsory and must be marked for all FIS competition. Athletes and coaches may need to mark the radius of older skis with a permanent mark denoting that the ski is equal to or greater than (\geq) the radius required. This will minimize the possibility for a protest against ski radius.

Minimum width (without any tolerance)	60 mm	60 mm
Minimum lengths of alpine skis for all disciplines	150 cm	155 cm
Height of skis, bindings, plate (maximum)	55 mm	55 mm maximum
Height of boots – boot sole & inner boot (hard or soft)	45 mm	50 mm maximum

At FIS race level, Giant Slalom skis may also be used for Super G and Super G skis may be used for Downhill.
[5.1 Equipment]

Children. Rules for FIS International children’s races, Recommendations to National Ski Associations for national races:

The FIS Council has requested that all National Ski Associations implement the rules for international children’s races that are recommendations of the Council for all national children’s races. From the total height of skis and bindings already approved by Council, the Equipment Committee proposed the following precisions:

- Children I: Max. height of skis, plates, bindings: 45 mm, ski boot: 45 mm
(USSA J4 & younger) Min. ski length 130 cm, min. radius 14 m
- Children II: Max. height of skis, plates, bindings: 50 mm, ski boot: 45 mm
(USSA J3) Min. ski length 130 cm, min. radius 17 m

The responsibility for equipment remains with the athletes. Tuning forks/calipers to control standheight are available for sale to Technical Delegates, Clubs, and other interested parties. Contact Tom Winters, 4250 Placita Baja, Tucson, AZ 85718, for more information.

FIS RULE CHANGES 2001-2002:

1. **GATE FLAGS:** All FIS races must use certified gate flags; there will be no exceptions. It is possible to use flags with removable advertising. The list of approved panels under Art. 680.2.1.3 **Banners for Giant Slalom and Super G** may be changed for next season, due to safety reasons. List of approved panels may be found on web site; only currently approved panels can be used.
2. **TERMINATION OF COMPETITION:** Art. 625, in regard to course work, will be revised; *refer to November Precisions.*
3. **FIXING OF BANNERS ON CLOSED GATES:** Art. 1001.3.3 will be rewritten to address the potential hazard with rolled panels; *refer to November Precisions.*
4. **COURSE SETTERS:** Art. 605 is being revised; *refer to November Precisions.*
5. **ONE PAIR OF SKIS:** Rule 1240.3.1 has been deleted by a majority vote of the Alpine Committee.
6. **DOWNHILL POLES:** Rule 680.1 is to be modified; the turning pole will be limited to 32 mm maximum diameter for flex poles and 35 mm for fixed poles.

NOTE: Please refer to November Precisions to ICR for current rules. 2001-2002 “Rules of the FIS Points” will be valid from the start of the Northern Hemisphere Winter – November 2001.

ALPINE CONTINENTAL CUPS – REVIEW & CLARIFICATION:

1. **EVENT TITLES:** Areas hosting Continental Cup events must use “FIS Nor-Am Cup” as lead title of event; sponsor titles are to follow this lead.
2. **FORERUNNERS:** The Organizer should organize sufficient (up to 6-10) qualified forerunners (*with FIS points*) for Downhill and Super G, and 3-4 forerunners for Slalom and Giant Slalom. [I.1 “Forerunners”, Book of Duties for Organizers of Continental Cup Events.]
3. **WATER INJECTION BEAM:** NorAm Slalom races for men and women must have the availability of the water injection beam [J.5 “Water Injection Beam”, Book of Duties for Organizers of Continental Cup Events.]
4. **ELECTRONIC TRANSMISSION OFFICIAL RESULTS:** Immediately after approval of the Technical Delegate, it is mandatory for Organizers to transmit official results and penalty calculation electronically in FIS Data format by e-mail to alpineresults@fisski.ch. [B.2 “E-mail/Electronic transmission”, Book of Duties for Organizers of Continental Cup Events]
5. **FAXING OF OFFICIAL RESULTS:** Official results and penalty calculations as well as Combined standings must be faxed to the FIS Office and to the persons listed below for the respective Continental Cup immediately after each race. [B.3 “Results/Telefax”; Book of Duties for Organizers of Continental Cup Events]

FIS Bureau	+41 33 244 6171
Chairman Bob Dart	970-726-1690
USSA	435-647-2605 (may be e-mailed to jweinman@ussa.org)
Alpine Canada Alpin	403-777-3213

ALPINE CONTINENTAL CUPS 2001 - 2002 UPDATE:

1. **ACCOMMODATIONS' PAYMENT:** Rules 7.2/7.3 increases the price for accommodation paid by the teams from 70 CHF to 80 CHF.
2. **COMPLIMENTARY ENTRIES AND LIFT TICKETS:** Rule 2.4.2 is to be changed to read:
 Complimentary entries and lift ticket fees shall be provided to competitors qualified in one of the disciplines taking place at the venue, according to the criteria in the Continental Cup rules section A, art.2.1; a maximum of two competitors qualified according to the basic quota, and art. 2.2.2; the remainder of the nation's valid Continental Cup quota in the respective discipline, whereby competitors are ranked in the top 350 in one of the disciplines at the event.
NOTE: Foreign athletes who are enrolled in North American Schools, Clubs or Universities will be entitled to complimentary lifts and entries if they are 100 World Rank in one of the disciplines of the "event".
3. **CREDENTIALS:** Rule 2.4.5 Coaches and Trainers Credentials is to be changed to read:
 The Race Organizing Committee is obligated to provide credentials (lift tickets) to officials and trainers of National Federations according to the following:
 Teams with 1-3 competitors receive 3 credentials
 Teams with 4-5 competitors receive 6 credentials
 Teams with 6-10 competitors receive 10 credentials

USSA REVIEW AND CLARIFICATIONS:

1. **TD CERTIFICATION:** In order to maintain Technical Delegate certification the individual is required to attend a USSA-approved update clinic/seminar at least every second year [2.1.4.1.5.2] **Failure** to meet the above participation requirements will result in loss of TD certification status [2.1.4.1.5.3].
2. **HEAD TAX WAIVERS:** Athletes who may be waived from head tax include members of the U.S. Ski Team (A, B, C or D), the U.S. Disabled Ski Team and *named* members of foreign teams recognized by FIS. List of athletes waived from Head Tax *must* be included with the results package.
3. **USSA CODE NUMBERS:**
 - a) **Foreign Competitors:** Foreign competitors who do not have USSA memberships should be assigned USSA numbers by using an "X" and a "zero" in front of 6-digit FIS code numbers. For competitors whose FIS code is a 5-digit number, "X" and "2 zeros" should be added. This will enable race result processing department to enter race results into the scoring system. However, before assigning a USSA membership number based on the addition of "X0" (zero) or "X00" (2 zeros) to the FIS code number, organizers *must* check the current USSA Points List for an already assigned seven-digit USSA membership number for the competitor; if a foreign competitor has a previously assigned "X membership" number, *it must be used*.
 - b) **On Site Memberships:**
 - For new member, enter them as "M0000000" in database. (7 zeros)
 - For renewing member, when number *cannot be verified*, enter them as "M9999999" in database.
 - For renewing member, when the previous membership number *can be verified*, use verified number.
 - *'PENDING' or 'APPLIED FOR' cannot be used!*
 - *Member number cannot be left blank!*
 - **All required membership materials must be obtained. "On-Site USSA Application Receipt"** should be given to member for use until membership is processed and card is received; retain a copy in organizer's file.
4. **USSA RACE RESULTS:**
 - a) **Filename for USSA competition results:** Number is available on the USSA web site. Transmittal sheet for each event will also have the number and can be accessed and printed from the same page on the web site. Structure is a single character (for defining race type, i.e.: F-FIS, U-USSA Scored, N-Not Scored, M-Masters, O (not zero)-Other, E-Entry) followed by four digits which is a sequence number assigned when the race is entered into the system. **U9999 would be the correct format for a USSA Scored event.**

NOTE: For a FIS race, there will be both a FIS filename/codex and a USSA filename/transmittal number. The USSA filename is only used for the results submitted for scoring to the USSA Points Lists.

- b) USSA Results/Penalties are to be submitted by e-mail to alpineresults@ussa.org; **race code numbers must appear in the subject line of all e-mailed results.** Message portion of e-mail submittal must include complete name and assigned USSA membership # for competitors whose USSA memberships have been completed on-site. (Completed memberships require signed "Acceptance of Risk", properly completed application including required insurance information, as well as membership fees. These items are to be included in the hard-copy USSA race packet.)
 - c) Organizers must still submit all required documentation/hard copy.
5. **VOLUNTEER REGISTRATION: "USSA Volunteer Race Worker Registration"** form is to be completed by any workers who are not USSA members, properly credentialed FIS officials, coaches and trainers, or regular employees of Organizer or Ski Area/Landowner acting within the scope of their employment. The completed forms are to be submitted to USSA in the race results packet. The Jury will retain the right to exclude any person who has not completed the registration from the competition areas or courses.

USSA COMPETITION UPDATE 2001 - 2002:

1. SEED POINTS:

- a) Confirmation of USSA Points will be available between lists upon payment of \$100 fee. Contact Divisional Office, Regional Office or Heather Hall at USSA National Office for details.
 - b) USSA will add 3 Points Lists this season; one in December, one during the Olympics and another in mid-March. These lists will only be available electronically.
 - c) Foreign athletes who hold current FIS inscriptions and who want to compete in USSA events may complete USSA membership requirements on site and be issued an "X" membership. FIS Points for these competitors may be used for seeding and the Penalty calculation. *Foreign competitors who have current USSA points must be seeded with their USSA points and their USSA points must be used in the Penalty calculation.*
 - d) **USSA maximum seed and race point values:**
DH - 820 SL - 360 GS - 530 SG - 660
2. **SECOND RUN START ORDER:** "Flip/bibbo 30" format is now allowed at USSA events according to the specifications of ICR 621.10.3. [**2.3.1.11.3**; existing 2.3.1.11.3 & 2.3.1.11.4 are renumbered accordingly.]
3. **DISQUALIFICATION:** A competitor will be disqualified if he accepts outside help in any form during the race. [2.3.10.4]
4. **VALID START AND FALSE START:** A competitor must start according to the article 3.2.5.3, otherwise he will be **sanctioned**. [3.2.5.4]
5. **SG TRAINING:** Official training for Children's Super G will encompass at least one training run prior to the first competition. Training times are not to be posted. Official training for USSA Children's Super G events is an integral part of the competition and all entrants are required to participate according to the competition Jury's decision. [4.4.6.4 and existing 4.4.6.4 is renumbered 4.4.6.5]
6. **START GATE SPECIFICATIONS:** The posts supporting the start gate should not project more than approximately 60 cm above the snow and should be approximately 60 cm apart. The start gate must have.....[2.2.1.2.2]
7. **USSA RACE RESULT PACKETS:** Results on disc in ski-data 2.02, or later, format no longer need to be included in the USSA Race Result Packet; all other requirements, including electronic transmission, are still valid.

STATUS OF ALPINE OFFICIALS' DOCUMENTS:

- 1. **Alpine Officials' Certification Guidelines** have been updated; copy attached.
- 2. **Race Packet Forms:** Do not discard 2000-2001 packets until 2001-2002 packets are received. Race Packet will continue to be composed of "master" documents for ROC to copy, with the exception of special materials such as 2 or 3-part Reports by the Referee and card-stock Gate Judge cards. Updated forms are also available on the USSA web site.
- 3. **Transmittal form for 2001-2002** will require e-mail address for person completing packet.

4. **Timing Technical Report Forms:**
 - a) FIS and USSA Timing Technical Report Forms have been revised; use forms dated 2001.
 - b) USSA Timing/Timing Technical Report Form “How-To” Explanation Text has been drafted; copy attached.
5. **Gate Judge Cards** that are supplied by USSA are the smaller “Fault Only” cards. **Standard-sized “Fault/No Fault” Gate Judge cards are recommended for use at technical events.** Samples of the cards that can be used for copying and use by Race Organizers are available in the Race Packet Forms and also on the USSA web site.
6. **Alpine Officials’ Teaching Materials:** *All* teaching materials/examinations have been updated with **known** changes as of 25 August 2001. With the exception of the Advanced Timing and Calculations Teaching Guide that is written primarily for FIS-level officials, Guides and Exam Keys contain both USSA rule reference numbers in **bold face type** and FIS ICR rule reference numbers in plain face type. ***Discard all teaching materials/exams not dated 2001.***
7. **Alpine Officials’ Manual:** USSA has adapted the Manual so that it may be accessed on the web site. A copy in cd-format will be furnished to all USSA Alpine Official members; members wishing to obtain hard copy may request it from the USSA Alpine Office.

UNITED STATES SKI & SNOWBOARD ASSOCIATION

USSA MODIFICATIONS TO ICR

These USSA modifications do not apply to FIS events.

1. **JURY ADVISORS:** The term Jury Advisor will not be found in the ICR. It is a USSA term that is in the Comp Guide and is used to identify certain officials who, although they are voting members of the Jury *only* at OWG and WC, can recommend sanction and can allow a provisional start or rerun at all levels of competition.
2. **TIMING RULES:**
 - a) **[2.2.1.2, as amended]** For all national championship races (including regional junior championships), electronic timing systems approved by USSA must be used. A list of these approved devices will be published. Races using timing devices other than those on the approved list will not be considered for scoring to the USSA Points List.

For other competitions that are scored to the USSA points list and/or divisional points lists, there shall be a primary timekeeping system which generates a permanent printed record of time-of-day at the start and at the finish. The primary timekeeping device shall be shown to meet the requirements of a homologated timing device. Further, there shall be a secondary electronic timing system, preferably reporting time-of-day, and manual timekeeping*. **Additionally a timing technical report form must be completed for each run of scored competition and submitted with the results to USSA.**

For other competitions, which are not scored to any points lists, there shall be a primary timekeeping system that is electronically based, preferably measuring time-of-day, and manual timekeeping*.

If wireless timekeeping is used it may be applied only to the secondary system. Specifications and procedures for timing are more fully described in a separate Timing Booklet.

MOVED TEXT: (Exceptions may be made on a petition basis thought the USSA office to the chairman of the Timing Working Group.)

ADDED TEXT: All Timing equipment and technical installations must be demonstrably functional to the requirements of the rules when disconnected from external devices, e.g. scoring and results computers.

[*The phrase “and manual timekeeping”, does not mean that manual timekeeping may be a part of the secondary or any other electric timekeeping system. Manual (hand) timing is totally separate and independent of the electronic timekeeping system and is done with stopwatches or hand-held battery operated devices.]
 - b) **[2.2.1.2.1]** All time-of-day times must be immediately and automatically sequentially recorded on printed strips to at least the 1/1000th (0.0001) precision. Both systems must allow for the calculation of net times by the mathematical comparison of each racer’s start time to finish time. The final result for each skier’s run is then expressed to 1/100th (0.01) precision by truncating the calculated net time on course.

All times used for the final result must be from System A. If there is a failure of System A, a calculated net time from System B must be used following the same procedure as set out in 2.2.1.3.2 (EET). It is not permitted to substitute Time-of-Day times from System B for use with System A for the purpose of net time calculations.
 - c) **ICR 611.2.1** requires that timing equipment be synchronized 30 minutes prior to start; **USSA Alpine Competition Regulation 2.2.1.2.1** requires synchronization *within* 60 minutes prior to start.
3. **PLOMBS:** **ICR 608.2.1** requires a “plomb” on suits used for Downhill, Giant Slalom and Super G at certain FIS events. USSA has no “plumbing” requirement.
4. **MONETARY SANCTIONS:** **ICR 630.4** allows for monetary sanction at FIS events. **USSA Alpine Competition Regulation 2.4.1.4.3** prohibits monetary sanction at USSA events.
5. **SIDECUT RADIUS SPECIFICATIONS: Precisions to ICR** discuss radius specifications for men’s, women’s and junior competition. USSA rules list no specifications that are different, separate or in addition to FIS rules.
6. **HELMETS: ICR 707 and 1007** require helmets for forerunners and competitors in all Downhill and Super G competitions. **ICR 906.2** requires helmets for forerunners and competitors in FIS Children I and Children II Giant Slalom competitions. USSA requires helmets for forerunners and competitors in **all** Downhill, Super G and Giant Slalom competitions. **[DH: 3.1.7; GS: 3.3.7; SG: 3.4.8]**
7. **VALID FINISHES: ICR 615.3** states Finish line must be crossed on both skis, or on one ski, or with both feet. USSA states that a binding release more than 2 gates above the Finish line in SL, GS or SG or more than 1 gate above the Finish line in DH shall be considered as a clear DSQ. **[2.3.10.3]**

8. **SG TRAINING:** ICR 1002.3 states that competitors **shall** be given the opportunity to free ski on the closed competition hill before the course is set. **USSA** states that Super G's that involve jumps should be preceded by at least one run on a training course set on the trail to be used for competition. [3.4.4.1]
9. **PENALTIES:**
- a) **USSA penalty point calculation** differs from **FIS** in that no "correction value" or "Z value" is added/subtracted from the basic calculation. In addition, "**Rules of the FIS Points**" states that at least five competitors have to be classified. **USSA** allows for the insertion of "ghost" racers/points and states that at least three competitors have to be classified. (*Please refer to appropriate section of current Competition Guide for additional instructions.*)
 - b) **USSA minimum time requirements:** DH – 60 seconds [3.1.6.2.2]; SL – 50 seconds [3.2.1.1.3]; GS – 50 seconds [3.3.1.1.3]; SG – vertical must be met. For FIS events, vertical drops must be met in all disciplines.
 - c) **Race meets neither vertical drop nor minimum time requirements:** When a **USSA** sanctioned event is submitted for scoring that fails to meet both the vertical drop requirements and the minimum time requirements – neither one nor the other minimum standard is achieved (See current Course Specifications) – and the race is otherwise approved by the Technical Delegate for scoring, an additional penalty of 28.00 (DH), 13.99 (SL), 17.00 (GS) points, shall be added to the calculated penalty. (Does not apply to SG where vertical drop must be met.)
 - d) **Race penalty 'manipulation':** Any competitor(s), as well as official or coach, clearly involved in or participating in penalty points fixing or other methods to artificially affect the penalty points may, on the recommendation of the Technical Delegate/Jury and following review by regional/national offices and staff, Classification Subcommittee, and perhaps AOC and/or Rules and Technical Committee, be disqualified or sanctioned. Competition staff can withhold from scoring any race results that have the appearance of deliberate distortion. The **USSA** Competition Rankings Manager shall be notified and such races held for review and action of the Classification Subcommittee at the annual meeting. Coaches and Officials may be sanctioned by their respective organizations.
 - e) **Disabled seeding:** **USSA** allows for special seeding or by **USSA** points, whichever is more favorable in order to encourage disabled athlete participation in regularly calendared **USSA** competitions. This "Golden Rule" applies to disabled athletes competing in regularly calendared **USSA** competitions with 160 points or less in the discipline. They are to be seeded in special groups with start order: 16-20...36-40...56-60...etc., or by seed points whichever is most favorable. (Placement within groups is by **USSA** point ranking.) [2.3.1.4] Other special seeding formats can be used if approved through the Alpine Sport Committee in advance and announced in advance. There are several of these formats already approved including collegiate/scholastic seeding, Pat Harty, and use of divisional points lists. There also is now special arrangements for second run start order in selected disabled races.
 - f) **Single penalization as result of injury:** When a racer is injured and out of racing for the season prior to the closing deadline for the second **USSA** list and has only one valid result in a discipline, points on the Spring **USSA** List shall be the better of: 1. That single result with a single penalty added, or 2. The previous fall list points with the single penalty added. Racers must submit documented requests for single penalty prior to the published deadline. *Refer to web site for additional details. FIS system will be based upon World Rank in the discipline at the time of the injury. World Cup ranks in the top 30 will be according to World Cup rules. World rank of 31 to 80 will be a penalty scale between 4 and 20. Rankings of 81 and higher will have a fixed penalty of 25. Beginning 2001-2002, injury status can no longer be claimed to 4 for each/all discipline(s).*
10. **USSA COURSE SPECIFICATIONS:** Please refer to current edition of **USSA Alpine Competition Regulations**.
11. **USSA CHILDREN'S RULES:** Please refer to current edition of **USSA Alpine Competition Regulations**.
12. **USSA J4 and younger is FIS Children I. USSA J3 is FIS Children II.**

ATTACHMENTS:

2001-2002 Precisions (Replace with Northern Hemisphere Precisions when available)
USSA Timing /Timing Technical Report Form "How-To" Explanation Text
FIS Timing Technical Report Form (Draft)
Timing Checklist
Alpine Officials Certification Guidelines