BCC203 PRINCIPLES AND TECHNIQUES OF OFFICIATING AND COACHING (TRACK &FIELD)

Unit I:

Age and sex categories of athletes

Entries

Clothing, shoes and Athlete Bibs

Assistance to athletes

Protest and Appeals

Duties and powers of International Officials

Management Officials

Competition Officials

Additional Officials

Unit II:

Dimensions and layout of track events

Rules & Regulations

Track event measurements and specification of equipment

Track and field Layout of track, sprint, hurdle, middle, long distance events, relay and Jump events

Unit III:

Dimensions and layout of jump events.

Rules & Regulations

Track event measurements and specification of equipment

Track and field Layout of long jump, high jump and pole vault.

Unit IV:

Dimensions and layout of throw events

Rules & Regulations

Track event measurements and specification of equipment

Track and field Layout of shortput, discus, javelin, & hammer throw

Unit V:

Combined Events Competitions Race Walking Events - Cross country Races - Mountain races - Trail Races scoring

Reference:

- 1. Buck Rules of Sports and Games, Published by NCYIs, New Delhi
- 2. Jenson G. and Fisher A G, (1972). Scientific Basis of Athletic Conditioning, 2ndedition, Lea and Febigeer, Philadelphia
- 3. Jones RJ and etal., (1982). Guide to Effective Principles and Practices, Allyn and Bacon, Inc
- 4. Lawther JD (1951). Psychology of Coaching, Prentice Hall, Inc, Englewood Cliffs, New Jersey Rules of Games, Published by International Association of Respective Sports and Games
- 5. Singh H (1984). Sports Training, General Theory and Physical Fitness, NIS, Patiala
- 6. Thomas J P(1971). Scientific Weight Training for Sports and Games, Gnanodaya Press, Madras
- 7. Glady Kirubakar. S, (2009). Tennis Skills-ATeacher's Guide, SS Publication, Chennai
- 8. Glady Kirubakar and Glory Kirubakar (2009). Play Ball Badminton, SS Publication, Chennai

TRACK EVENTS

Sprint Events: 100 M 200m 400m Middle Distance: 800 M, 1500m

Long Distance: 3000m, 5000m, 10,000m

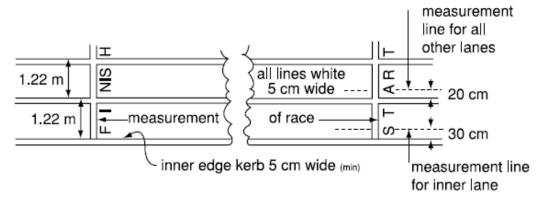
Hurdles: 100m, 110m, 400m Hurdles: 100m, 110m, 400m Steeple Chase: 2000M, 3000M

TRACK EVENTS- RULE 160

Track length- 400m; Two straights & Two curves; Straight – 84.39 mts

KERB- 5mx 5m width- white; Kerb on straight may be omitted and 5 cm line can be drawn

If kerb to be removed on curves; **5cm** white lines- **cones or flags(60degree**)-**20cm ht- 4m interval; In -Split starts 10m intervals**



Lane- 1.22m width

- **Lateral inclination** of track- 1:100(not to exceed) new track- lateral inclination is towards inside lane
- **Overall inclination** in running direction—1:1000(not exceed) downwards

STARTING BLOCKS- RULE 161

- Used for all races up to and including 400m
- Rigid and no unfair advantage to athlete
- Own block- comply with rules, may be of any design or construction
- Should not interfere with other athletes
- Consists of two foot plates on rigid frame
- Surface of footplates should accommodate spikes
- Foot plates should be adjustable but no movement during start

CLOTHING

- Wear clean, non transparent even if wet
- Athletes vest should have the same color on the front and back
- Uniform should be approved by their National Governing Body

SHOES

- Athlete may compete barefoot or with footwear on one or both feet
- Should not give any unfair additional assistance
- Unfair advantage
- Shoe strap over the instep is permitted
- All types of competitions shoes must be approved by IAAF

THE START- RULE 162

- Denoted by white lines 5cm wide
- Races which are not in lanes be in curves
- Lane numbered from left to right in direction of running
- All races up to and including 400m

Crouch start

Starting blocks are compulsory

Starter can use command only in English in

- World Athletics series
- Olympic Games
- Competitions not from single area
- International Invitation meets under IAAF
- Inter area competitions
- If the **starter is not satisfied** after athletes are on their marks- **order athletes to** withdraw
- Except in international matches starter can use commands in his own language, **English** or in French
- Up to and including all races 400m

"ON YOUR MARKS"... "SET " ... GUN SHALL BE FIRED...

False start

After start commands before gun if athletes comes out of blocks misconduct - **RED CARD**

Referee shall warn the athletes

- Without valid reason (raising hands, delay, standing etc)
- Disturbs other athletes by sound
- Starter shall abort the start.

Green card

- If extraneous reason for aborting the start
- After assuming final start position, shall not commence his start- if so disqualified
- Red card is shown to the athlete
- After false start duties of Starter's Assistant
 - **athletes shall be disqualified show **red card** in front of him on respective lane markers

Approved False Start Control Apparatus

When an IAAF approved false start control apparatus is in use, the Starter and/or an assigned Recaller shall wear headphones in order to clearly hear the acoustic signal

- emitted when the apparatus indicates a possible false start (i.e. when the reaction time is less than 0.100 second).
- As soon as the Starter and/or an assigned Recaller hears the acoustic signal, and if the gun was fired, there shall be a recall and the Starter shall immediately examine the reaction times on the false start control apparatus in order to confirm which athlete(s) is/are responsible for the recall.

Note (i): Any motion by an athlete that does not include or result in the athlete's foot / feet losing contact with the foot plate(s) of the starting blocks, or the athlete's hand / hands losing contact with the ground, shall not be considered to be the commencement of his start. Such instances may, if applicable, be subject to a disciplinary warning or disqualification



THE FINISH -RULE 164

- Denoted by white line 5cm wide
- Athletes placed in order in which any part of their bodies (ie: torso distinguish from head, neck, arms, legs, hand or feet) reaches vertical plane of the nearer edge of finish line

MIDDLE DISTANCE & LONG DISTANCE

Middle Distance -800 M & 1500m

Long Distance- 3000m, 5000m, &10,000m

• In races longer than 400m: ON YOUR MARKS ... GUN SHALL BE FIRED.....

Athletes shall not touch the ground with hands during start 800m & 1500m STARTS

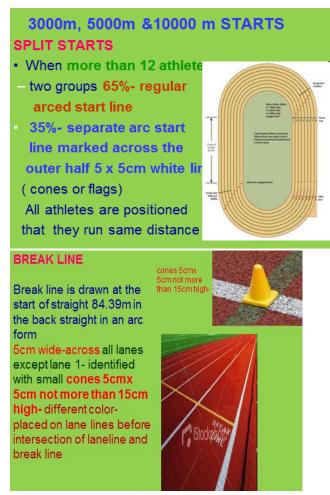
800m- Staggered Start- Half Stagger + Diagonal Excess 1500m- Staggered Start The 1500m start line may be extended out from the outside bend lane to the extent that the same synthetic surface is available.



 International competitions 800 m shall be conducted in lanes (till break line in first bend)







THE RACE - RULE 163 DISQUALIFICATION

- Athlete obstructs another athlete
- An athlete running on bend shall not run on or inside the kerb or line marking.
 RE RACE
- Referee has the authority to Conduct **re race** excluding disqualified athlete
- If preliminary round, allow to compete in subsequent round
- Such athlete should have completed the event with **bona fide effort**
- Regardless of whether any disqualification in exceptional cases referee has the authority for re race if reasonable

ATHLETES - NOT TO BE DISQUALIFIED

- ❖ When runs outside his lane in straight
- Or outside the outer line of his lane on the bend
- ❖ With no material
 advantage being gained can continue his race no other athlete being obstructed
 Athlete shall not be disqualified when pushed or forced by another person

Obstruction

- 2. If an athlete is jostled or obstructed during an event so as to impede his progress, then:
- (a) if the jostling or obstruction is considered unintentional or is caused otherwise than by an athlete, the Referee may, if he is of the opinion that an athlete (or his team) was seriously affected, order that the race be re-held or allow the affected athlete (or team) to compete in a subsequent round of the event;





WIND GUAGE- measures wind velocity

Athlete after **voluntarily leaving** the track shall not be allowed to continue the race



Equipment should be certified by IAAF

- Started and stopped automatically and or
- Information conveyed directly to competition computer



- (positive direction)

READINGS IN WIND GUAGE

- Measured in m/sec
- +2.03 m/sec is +2.1 m/sec
- _2.03 m/sec is _2.0 m/sec



POSITION OF WIND GUAGE

- · Beside straight- adjacent to lane 1-
- · 1.50m from finish line
- 1.22m height
- not more than 2m away from track





- · The period of wind velocity shall be measured from the flash of the starters gun
- 100 m- 10 sec
- · 200m- 10 sec when 1st athlete enters the straight
- 100m hurdle- 13sec
- 110m hurdle- 13 sec





- · Hand timing
- Fully automatic timing obtained from a photo finish system
- Timing provided by transponder system
- Times for all finishers shall be recorded
- Lap times in races of 800m and over and intermediate times at every 1000m in races 3000m and over shall be recorded



TIMING

HAND TIMING

FULLY AUTOMATIC





HAND TIMING

- Time keepers shall be in line with finish line- 5m away- elevated stand
- Use manually operated electronic timers with digital read outs- termed as "watches"
- Time shall be taken from the flash /smoke of the gun
 3 official TK (1 Chief TK- 1 OR 2 Add.TK)- for Winner of the event



TIME KEEPER

- act independently
- Not show watch or discuss time
- enter his time on official form
- sign
- - hand over to chief time keeper
- Chief TK decide official time for each athlete and provide the results to competition secretary



Timing For Races On Track

100m-10.11sec is recorded as 10.2 sec

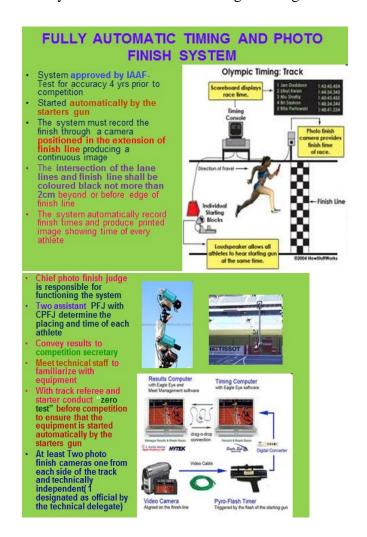
Partly or entirely outside stadium

Marathon- 2:09:44.3 recorded as 2:09:45

In 3 watches -2 agree and 1 disagree=time recorded by 2 watches will be official time

If all 3 watches disagree-middle time shall be the official

If only 2 times available and disagree- longer time shall be official



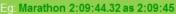


- · Races up to and including
- · 10'000m(1/100) as 26:17:53

 For all races on track longer than 10000m

Eg: 20,000m, 59:26:32(1/100th) shall be recorded as 59:26:4(1/10th)

 For all races partly or entirely outside the stadium
 Time shall be read to 1/100th and recorded to whole second





TRANSPONDER SYSTEM

- · Approved by IAAF
- Used for races 800m and above held completely in or outside the stadium(Race walking,Road races &Cross country running)
- No obstacle to athlete while running
- Weight of transponder, housing carried on athletes uniform, bib, shoe not significant
- System is started with starters gun or synchronized with start signal
- System requires no action by athlete during competition
- Time recorded as Eg:Marathon 2:09:44.32 as 2:09:45



TIES - RULE 167

- If the judges or photo finish judges are **unable to separate** the athletes for any place **TIE**Shall remain
- If tie between athletes in different heats for
- 1. ranking
- 2. qualifying position -For subsequent round based on time
- For qualifying position tying athletes shall be placed in next round if not possible, lots shall be drawn

Chief photo finish judge shall consider time **to 1/1000**th **of second** If tie remains- tie shall be broken by **draw**