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# Race Walking Judges – Bronze Training

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World Athletics Head of Competition

Jeff Salvage (USA)

Race Walk Scientist

# Welcome!

- AUS, AUT, AZE, BEL, BEN, CAN, CHN, CRC, CZE, ESA,
  - ESP, EST, ETH, FIN, FRA, GBR, GER, GUA
  - HKG, IND, IRL, ITA, JPN, KEN, LTU, MAS,
  - MEX, NCA, NED, NIG, NOR, NZL, PAK,
  - PHI, POL, POR, PUR, ROU, RSA, SUI,
  - SVK, SWE, TTO, TUN, USA, UZB

# Agenda

## Course RWJ Bronze Level

- World Athletics Referee Education Certification System (WARECS)
- Why WA Qualified RWJs are so important
- RWJ Philosophy
- RW Competition Management
- RW Technique
- Application of Competition Rules
- Interpretation of Competition Rules
- Penalty Zone
- Electronic Communication
- Video training with Jeff Salvage (USA)



WARECS & TestWe Platform



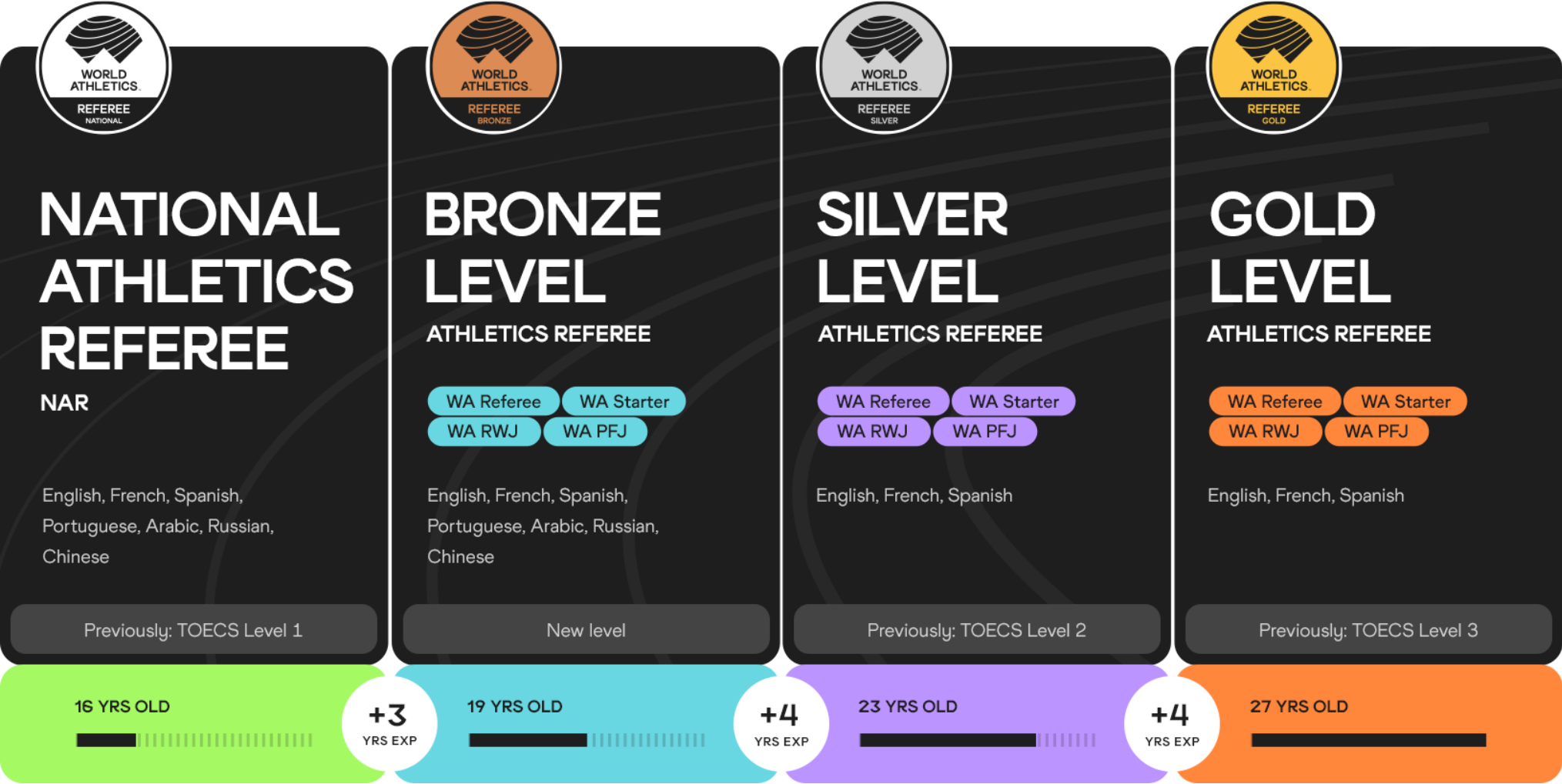
# WORLD ATHLETICS REFEREE & RACE-WALKING JUDGES

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## GOALS

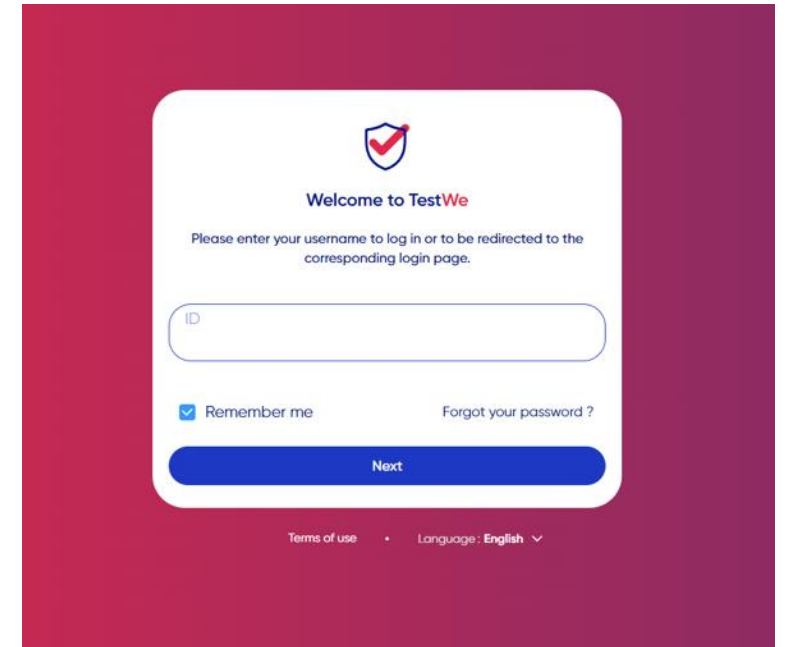
- Clear development and education pathway
- Attract and support the progression of those who want to attain qualifications and officiate within athletics (from grassroots through to the global stage)
- Promoting a more diverse gender and regional balance among qualified referees
- Maintaining the highest levels of excellence
- Ensure integrity of new World Tours, recognised performances, and the avoidance of event manipulation.

# WARECS



# Before the exam / Login to TestWe

- Welcome email
- If not received, check junk or spam folder.
- Forgot Password.

The image shows the TestWe login interface. It features a white login card on a dark red background. At the top of the card is a shield icon with a checkmark. Below it, the text "Welcome to TestWe" is displayed. A message asks the user to enter their username to log in or be redirected to the corresponding login page. There is a text input field labeled "ID". Below the input field, there is a "Remember me" checkbox and a link for "Forgot your password?". A blue "Next" button is at the bottom of the card. At the very bottom of the page, there are links for "Terms of use" and "Language : English" with a dropdown arrow.

## Password creation rules :

Minimum 12 characters  
an uppercase letter  
a lowercase letter  
a digit  
a special character  
should not contain your username

The image shows the TestWe welcome page. It features the TestWe logo at the top. Below it, the text "Bonjour Tira," and "Bienvenue sur TestWe !" are displayed. A section titled "#1 Vos identifiants de connexion" lists "Nom d'utilisateur" and "Mot de passe". A section titled "#2 Téléchargez et installez le logiciel pour vous connecter" has buttons for "Windows", "MacOS", and "Linux". A section titled "#3 Lisez le guide utilisateur pour votre type d'exams" has buttons for "Exams sur site" and "Exams à distance". A section titled "#4 Cliquez sur l'image ci-dessous pour plus d'informations" is at the bottom.

# General information

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## Allowed:

- Pen, blank paper/provided form
- Second monitor with a webcam
- Bathroom breaks
- Food/drinks

There will be a break of 10 minutes after the video part of the exam before the written part begins

## Not Allowed:

- No ruler
- No calculator
- No book or phone/tablet

## Equipment needed:

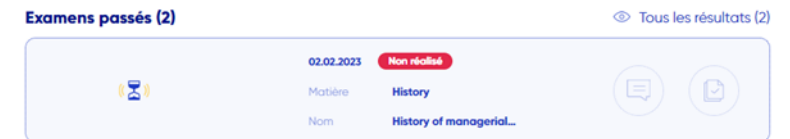
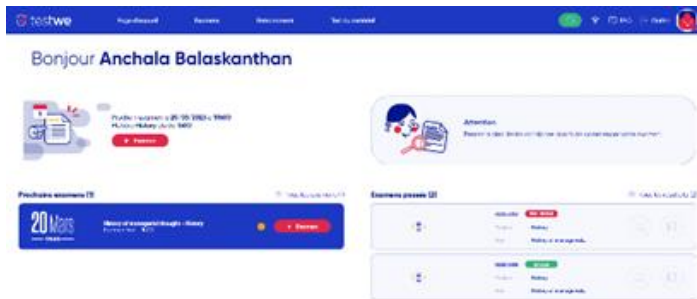
Microphone

Camera

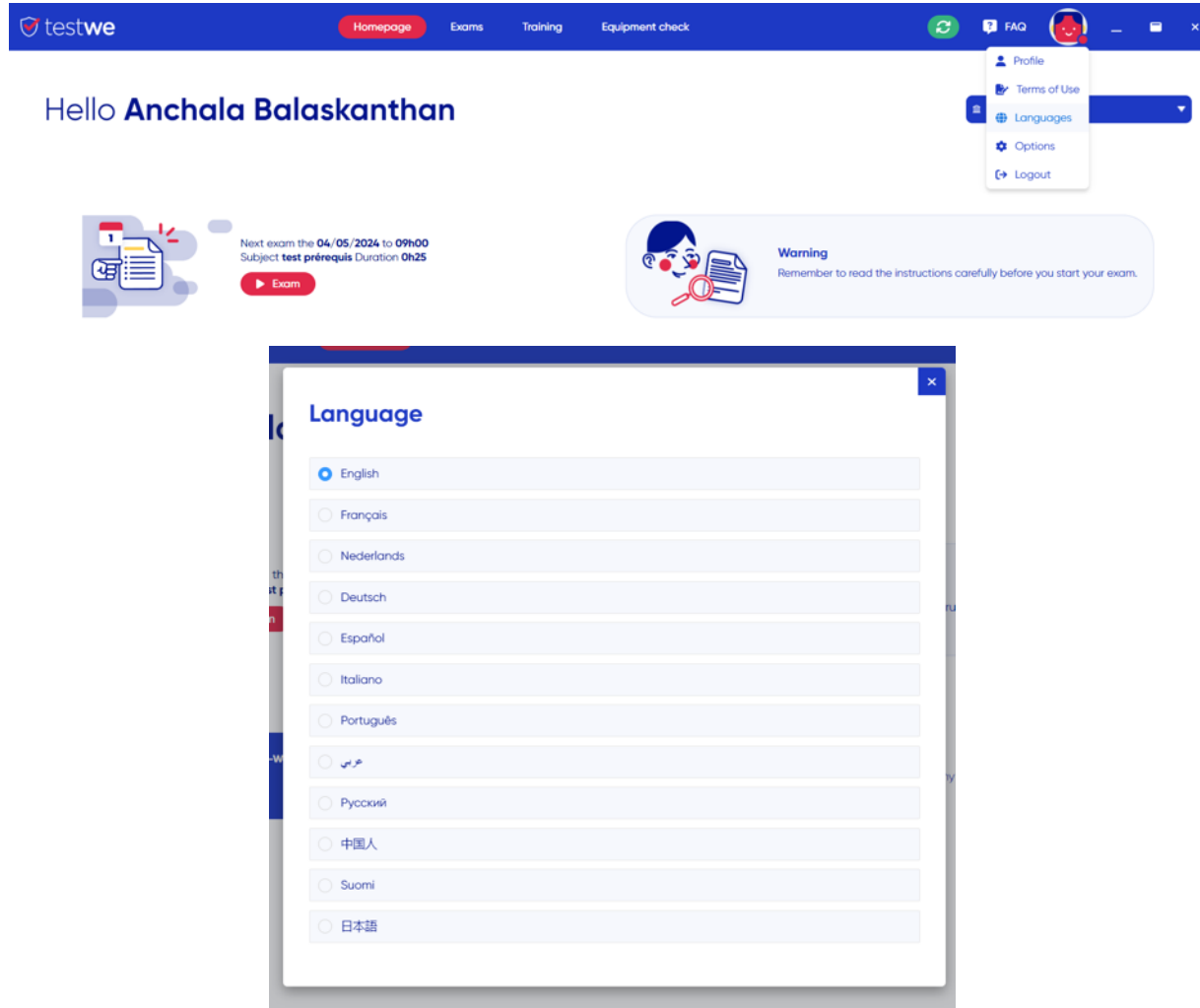
Phone for emergencies

# Before the exam / Login to TestWe

- TestWe app and not web browser
- Updated version of software
- Need good internet connection
- Need internet at the beginning and at the end to submit the exam.
- Exam will appear the day before the exam but will not open until Saturday












# Before the exam / Login to TestWe



- Platform language
- Languages available:
  - English
  - French
  - Spanish
  - German
  - Italian
  - Portuguese
  - Japanese
  - Chinese
  - Arabic
  - Slovakian
  - Finnish
  - Russian

# After the exam

- Not sent status: follow the following steps to submit your archives

Examens passés				
	23.06.2021	Non envoyé		
	Matière	Prérequis		
	Nom	test hors ligne		
	23.06.2021	Envoyé		
	Matière	Prérequis		
	Nom	Final - Prerequis Tech...		
	22.06.2021	Non réalisé		
	Matière	Subject One		
	Nom	TEST COLOR [M2]		

1.0.3

## Further information



### Compatibility

- Mac (from OS 10.13)
- Windows (from Windows 10)
- 4 GB RAM required (8 GB recommended)
- 1 GB free hard disk space

### The operating systems that are not supported by Testwe :

- XP
- Windows lower than Windows 10
- Windows 10 S
- Windows ARM (RT)
- MacOS lower than 10.13
- IOS (Ipad, Iphone)
- Android, Chromebook, Virtual Machine, Virtual Webcam, Linux (except Ubuntu)

# WA RW JUDGE - BRONZE

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## Platform : testWe

→ You will all receive a link and email to install and test the platform

## 2 online exams:

- **Video exam:** 60pts, 3pts /video - **60% of total mark**  
Duration 20mins
- **Written exam:** 40pts - 36 questions to answer in total including sub-questions – **40% of total mark**
- **Pass Mark:** **70%**



# WA RW JUDGE - BRONZE

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- **Platform : testWe**

→ You will all receive a link and email to install and test the platform

- **1<sup>st</sup> part of exam : Videos - Duration 15mins**

- 60pts, 3pts /video - **60% of total mark**
- External Video Platform (Vimeo)
- 20 Videos, 20 different athletes to watch each consecutively 4 times
- One of two answers – Legal, Illegal
- Form to print to write down answers
- Insert your answers on the multiple choice

# WA RW JUDGE - BRONZE

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## 2<sup>nd</sup> part of exam : Written - Duration 2h30 max

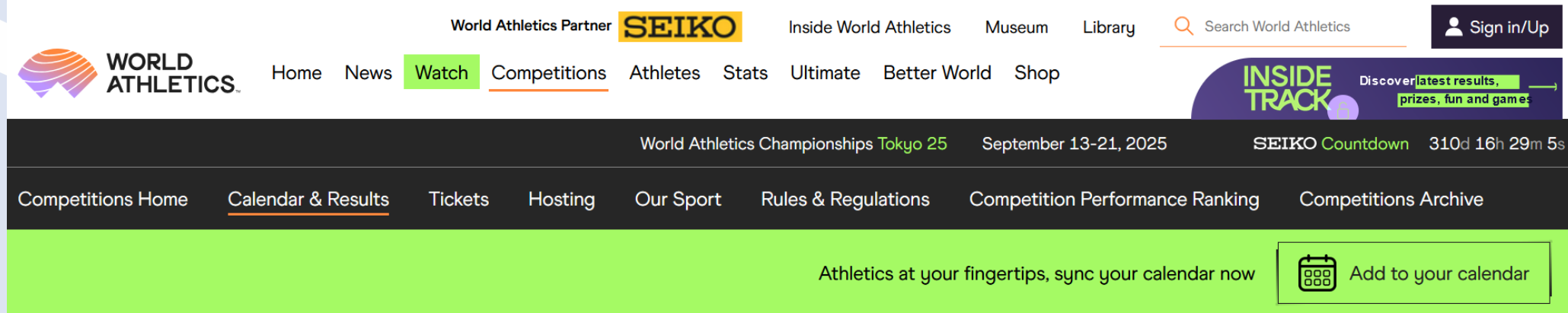
- 40pts - 36 questions to answer in total including sub-questions – **40% of total mark**
- All Multiple Choice questions
- SECTION A - Multiple Choice - Choose the correct answer - (10 questions, total 5 points)
- SECTION B – True/False Answers – (10 questions, total 10 points)
- SECTION C - Situational Questions [True/False Answers or Multiple Choice] – (10 questions, total 10 points)
- SECTION D – Competition Situations (6 questions, total 15 points - points are indicated at each question)



*Why WA RWJs are so important*

# Why are Bronze level RWJs so important

In order for Race Walk results to appear on the WA Calendar, an event must have 3 WA Judges



The screenshot shows the top section of the World Athletics website. At the top left is the World Athletics logo. To its right is a navigation menu with links: Home, News, Watch (highlighted in green), Competitions (underlined), Athletes, Stats, Ultimate, Better World, and Shop. Above the main navigation, there is a 'World Athletics Partner' section featuring the SEIKO logo, and links to 'Inside World Athletics', 'Museum', and 'Library'. A search bar with the text 'Search World Athletics' and a magnifying glass icon is also present. On the far right, there is a 'Sign in/Up' button. Below the main navigation, a banner for the 'World Athletics Championships Tokyo 25' is displayed, showing the dates 'September 13-21, 2025' and a 'SEIKO Countdown' of '310d 16h 29m 5s'. Below the banner, there is a row of navigation links: Competitions Home, Calendar & Results (underlined), Tickets, Hosting, Our Sport, Rules & Regulations, Competition Performance Ranking, and Competitions Archive. At the bottom of this section, there is a green bar with the text 'Athletics at your fingertips, sync your calendar now' and a button with a calendar icon and the text 'Add to your calendar'.

## Calendar / Results

SEARCH

FILTER

01/02/2025



28/02/2025



Region Type

Discipline: Race Walking

Rankings Category

Permit

Competition Group


Clear

Show only results

No

# Why are Bronze level RWJs so important

In order for Race Walk results to appear on the WA top lists, an event must have 3 WA Judges

World Athletics Suppliers  Inside World Athletics Library




WORLD ATHLETICS Home News Competitions Athletes Our Sport **Stats** Ultimate Better World

Stats Home Calendar & Results **Toplists** Records Send Competition Results World Rankings

Season Top Lists All time Top lists

Senior 2024

## 5000 Metres Race Walk Women

Filter Top Lists

Age Category

Senior

Season

2024

Gender

Women

Event


5000 Metres Race Walk

Areas/Countries

World










Limit By Country

All

Filter Top Lists 


1 2 3 > >>

Limit: 27:30.00

Rank	Mark	WIND	Competitor	DOB	Nat	Pos	Venue	Date	Results Score
1	21:50.80		Serena DI FABIO	23 NOV 2007	 ITA	1f1	Banská Bystrica (SVK)	19 JUL 2024	1086
2	22:03.11		Alessia Cristina POP	30 JAN 2007	 ROU	2f1	Banská Bystrica (SVK)	19 JUL 2024	1071
3	22:24.98		Ella RAUTAWAARA	09 DEC 2008	 FIN	1	TESC, Tampere (FIN) (i)	17 FEB 2024	1045
4	22:44.73		Alena KOZHEVNIKOVA	17 JUL 2008	 RUS	1	Regional Sport Complex, Brest (BLR)	23 JUL 2024	1023
5	22:51.93		Anastasiya KOROBAKOVA	01 OCT 2008	 RUS	2	Regional Sport Complex, Brest (BLR)	23 JUL 2024	1014
6	22:56.00		Karina PUZIKOVA	10 NOV 2007	 RUS	2	Slava Metreveli Stadium, Sochi (RUS)	28 FEB 2024	1010
7	22:58.00		Kristina YEGOROVA	09 SEP 2007	 RUS	3	Slava Metreveli Stadium, Sochi (RUS)	28 FEB 2024	1007
8	23:01.50		Suzu OKUNO	28 FEB 2007	 JPN	1	Hakatanomori Athletic Stadium, Fukuoka (JPN)	29 JUL 2024	1003
9	23:03.07		Y. MURAKAMI	22 OCT 2007	 JPN	1	Yamanashi Prefectural Stadium, Yamanashi (JPN)	08 MAR 2024	997

# Why are Bronze level RWJs so important

In order for Race Walk results to appear on the World Rankings, an event must have 3 WA Judges

World Athletics Suppliers  Inside World Athletics Library




**WORLD ATHLETICS** Home News Competitions Athletes Our Sport Stats Ultimate Better World

Athletes Home World Rankings Profiles Awards Spikes Athletes' Representatives Transfer of Allegiance Athletes Commission

Intro Event Ranking Ranking Criteria Competition Performance Ranking Calendar


















World Rankings

## Women's 20km Race Walking (5km-10km-15km)

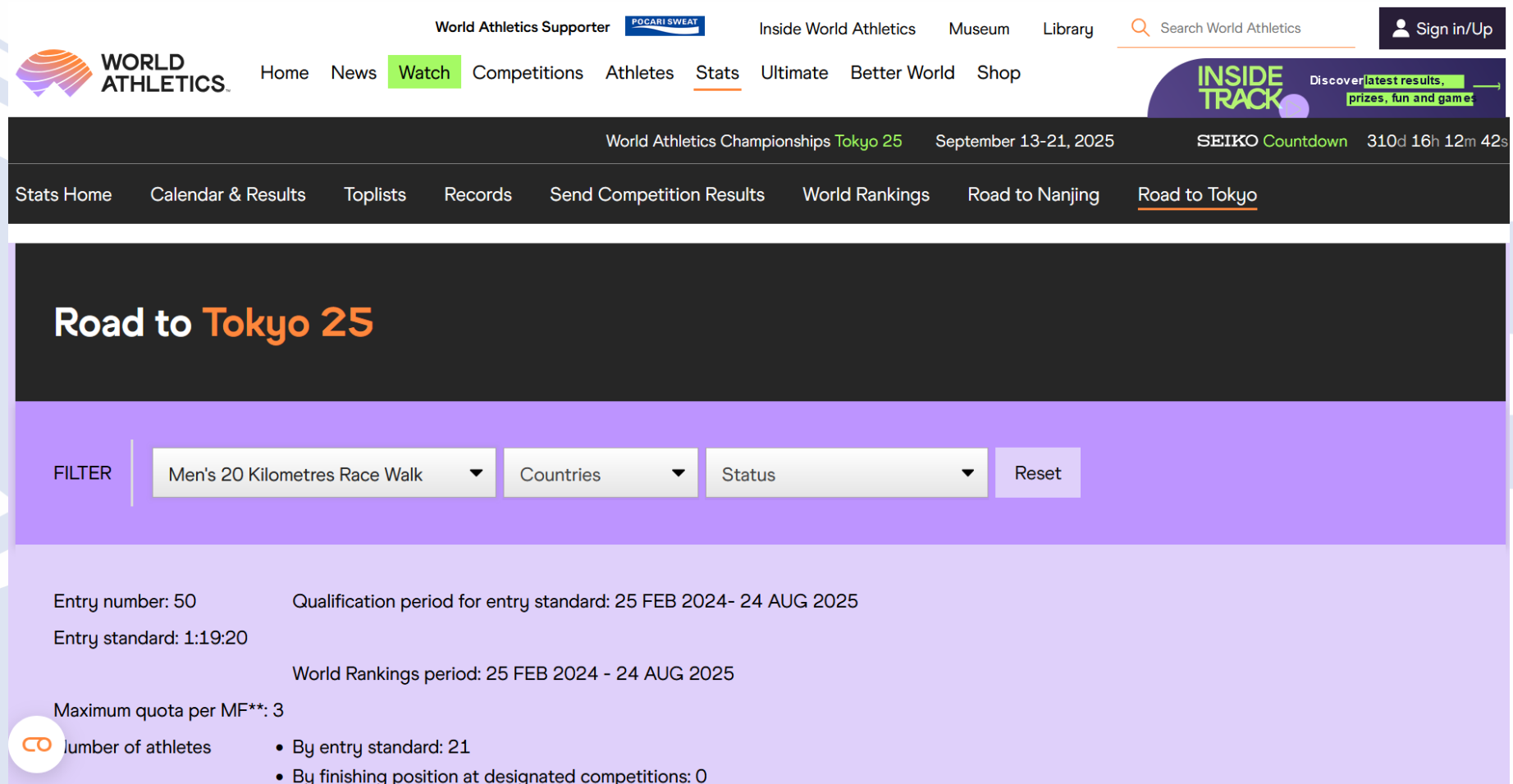
Filter World Rankings


Gender: Female Event Group: Women's 20km Race Walking (5km-10km-15km) Rank Dates: 29 OCT 2024 Areas/Countries: World


Place	Competitor	DOB	Nat	Score	Event List
1	JiaYu YANG	18 FEB 1996	 CHN	1332	20km Walk
2	María PÉREZ	29 APR 1996	 ESP	1332	20km Walk
3	Jemima MONTAG	15 FEB 1998	 AUS	1323	20km Walk
4	Kimberly GARCÍA LEÓN	19 OCT 1993	 PER	1313	20km Walk
5	Alegna GONZÁLEZ	02 JAN 1999	 MEX	1306	20km Walk
6	Glenda MOREJÓN	30 MAY 2000	 ECU	1277	20km Walk
7	Evelyn INGA	16 APR 1998	 PER	1271	20km Walk
8	Lorena ARENAS	17 SEP 1993	 COL	1268	20km Walk [10,000m Walk]
9	Zhenxia MA	01 AUG 1998	 CHN	1268	20km Walk
10	Laura GARCÍA-CARO	16 APR 1995	 ESP	1264	20km Walk
11	Antonella PALMISANO	06 AUG 1991	 ITA	1260	20km Walk
12	Hong LIU	12 MAY 1987	 CHN	1258	20km Walk
13	Shijie QIYANG	11 NOV 1990	 CHN	1239	20km Walk
14	Mary Luz ANDÍA	09 NOV 2000	 PER	1228	20,000m Walk, 20km Walk
15	Viviane LYRA	29 JUL 1993	 BRA	1221	20km Walk
16	Erica SENA	03 MAY 1985	 BRA	1220	20km Walk
17	Cristina MONTESINOS	12 JUL 1994	 ESP	1220	20km Walk

# Why are Bronze level RWJs so important

In order for athletes to qualify for World & Area Championships and the Olympic Games, an event must have 3 WA Judges



World Athletics Supporter  Inside World Athletics Museum Library  [Sign in/Up](#)

 Home News **Watch** Competitions Athletes Stats Ultimate Better World Shop


World Athletics Championships **Tokyo 25** September 13-21, 2025 **SEIKO Countdown** 310d 16h 12m 42s

[Stats Home](#) [Calendar & Results](#) [Toplists](#) [Records](#) [Send Competition Results](#) [World Rankings](#) [Road to Nanjing](#) [Road to Tokyo](#)

## Road to Tokyo 25

**FILTER**    [Reset](#)

Entry number: 50 Qualification period for entry standard: 25 FEB 2024- 24 AUG 2025  
Entry standard: 1:19:20  
World Rankings period: 25 FEB 2024 - 24 AUG 2025  
Maximum quota per MF\*\*: 3

 Number of athletes

- By entry standard: 21
- By finishing position at designated competitions: 0

## *Course Objectives*

After successful completion on the Bronze level course, a judge will be able:

1. To interpret Race Walking technique correctly
2. To apply the competition rules correctly and consistently
3. To interpret the competition rules appropriately
4. To be updated on the most recent rules changes and their application
5. To have a clear understanding of the management of competitions
6. To have a precise knowledge on the duties of a Race Walking Judge



## *Course Objectives*

After successful completion on the Bronze level course, a judge will be able:

7. To be familiar with the electronic devices
8. To have an understanding of road measurement procedures
9. To know the principles of doping control procedures at competitions
10. To behave correctly according to the World Athletics Code of Ethics for Officials
11. To understand the structure of World Athletics and its Development Programme

# *Judges Philosophy*

# *Contents*

- Role of a Judge
- An ideal Judge
- Judges Workshop
- Code of Ethics for Officials

## *Role of a Judge*

- The official's primary role is to act as an impartial judge and so facilitate the process of fair competition
- This role carries with it an obligation for the official to **perform with accuracy, consistency, objectivity and the highest sense of integrity.**

# *Features of an ideal Race Walking Judge*

## *Focus : Athletes*

An ideal judge...

- assumes that most of the athletes are not breaking the rules
- is aware that a judicious use of yellow paddle can avoid an infringement of the rules by the athlete
- avoids any prejudging of athletes
- does not intimidate athletes
- understands that a judge's competence is not expressed through the number of given red cards.

# *Features of an ideal Judge*

## *Focus : Yellow Paddle / Disqualification*

An ideal judge...

- acts immediately on all judgements
- ensures the athletes' understanding of the yellow paddle
- indicates clearly the reason for yellow paddle / disqualification and correctly completes the appropriate cards
- communicates only with the Chief Judge (CJ) or recorder on disqualifications and queries (Card collection is purely transactional. No other communication occurs)

## *Features of an ideal Judge*

*Focus : before and after the competition*

An ideal judge...

- arrives at least 1 hour prior to scheduled start time
- reports promptly to the Pre and Post Race Judges' Meeting.

# *Features of an ideal Judge*

## *Focus : during competition*

An ideal judge...

- observes from a clear, non-elevated view.
- when on a track, observes a progression of steps from the outside lanes and at rare times moves to the inside to evaluate the left knee
- when on a road, observes a progression of steps from the outside and when necessary moves to the opposite side to evaluate the left knee
- must not inform other competitors about the progress of a race
- does not time the race
- uses only his eyes to judge the athletes



# *Features of an ideal Judge*

## *Focus : General*

An ideal judge...

- appears professional - clothing and behaviour
- is impartial to all competitors and teams
- is always active, concentrated and attentive during competition
- is not receptive to external comments e.g. by spectators, coaches
- does not have any additional responsibilities while judging
- does not use cameras, mobile phones and other electronic devices during competition - unless specifically issued for use during the event

# *Code of Ethics for Officials*

## **Founded on a basis of Respect:**

- Respect of Human Rights
- Respect of Rules
- Respect of Athletes and Coaches
- Respect of other Officials
- Respect of Proficiency
- Respect of the Officials Image

## *Code of Ethics for Officials*

- The basic principle of the World & European Athletics Code of Ethics for Officials is that ethical considerations leading to fair play are integral, and not optional, elements of all sports activity.
- These ethical considerations apply to all levels of ability and commitment. They include recreational as well as competitive Athletics.

# *Code of Ethics for Race Walking Judges*

## **What a judge should never do during the race**

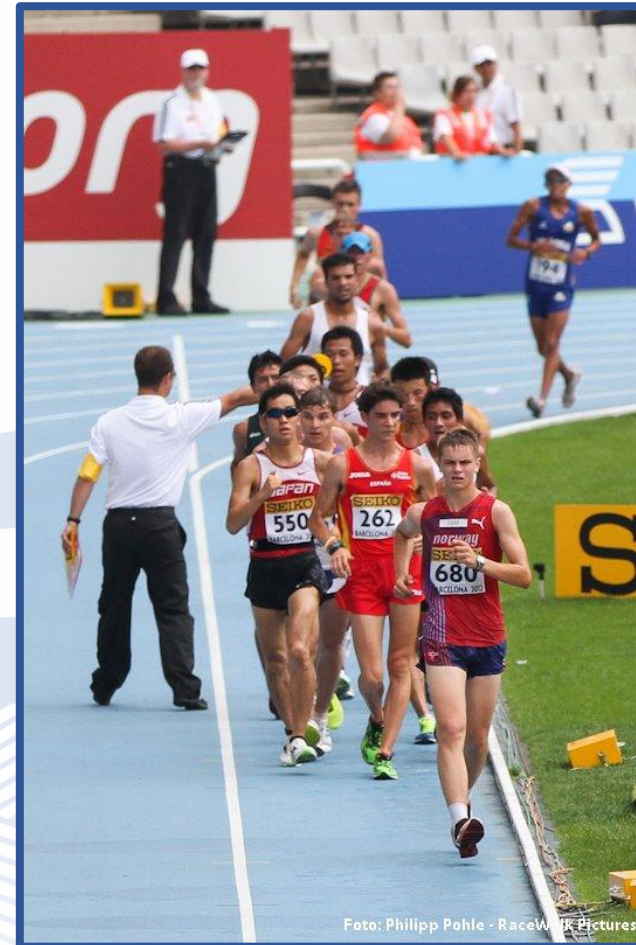
- Have any contact with spectators or team officials or other athletes, particularly those who may be identified as members of any Member Federation
- Use a mobile phone, radio transmitter or similar device on the track or on the course
- Refer to the Posting Board (including any views of the Board on any television screens showing progress of the race)
- Copy any information from the Posting Board

# *Competition Management*

**To identify the duties  
of the competition personnel  
before, during and after  
a competition**

## *Race Walking Officials*

- Chief Judge
- Walking Judges
- Chief Judge' Assistants
- Recorder
- Posting Warning Board assistant
- Penalty Zone Manager





# Chief Judge

## *Most important duties (1)*

- Conduct a pre-race meeting to assign the Judges to their respective judging areas and to explain the judging procedure to be used
- Make sure all the judges have all the necessary judging material including:
  - Red cards
  - Individual summary sheet
  - Yellow Paddles
  - course map showing each judge's assigned position
  - list of starters' numbers
  - Pencils/Pens
  - Stop watches for Penalty Zone
  - armbands etc.



# *Chief Judge*

## *Most important duties (2)*

- Make sure that the card collecting system is correctly prepared
- Notify competitors of their Penalty Zone stay as soon as possible after verifying that three red cards from three different judges have been received and inform the Referee after the event
- Conduct a post-race meeting to review the race, present the judging summary sheets for analysis and discuss any problems
- Notify athletes of Penalty Zone

## *Race Walking Judges*

- Participate at pre-race meeting
- To follow the instructions received from the Chief Judge
- To show a yellow paddle to a competitor who is in danger of breaking the rules and to record that action in the individual summary sheet
- To complete a red card, accurately, for any competitor breaking the rules and send it to the Recorder
- Participate at post-race meeting and relevant discussion
- Penalty Zone management should also be part of pre/post race meetings

## *Chief Judge's Assistants*

- Participate at pre-race meeting
- To follow the instructions received from the Chief Judge
- To disqualify a competitor according to the instruction of the Recorder/Chief Judge
- To inform the Recorder of the time of disqualification
- Participate at post-race meeting and relevant discussion
- Notify athletes of Penalty Zone according to the request of the Chief Judge / Recorder

## *Recorder*

- Participate at pre-race meeting
- Collect the Judges' red cards and record the information on the Judging Summary Sheet and/or checking the electronic data collection system
- Notify the Red Card or DQ Posting Board Operator of warnings, and check the electronic Posting Board
- Immediately notify the Chief Judge & Chief Judge Assistant when three red cards from three different Judges have been handed in
- Participate at post-race meeting and relevant discussion
- Record time of entry to Penalty Zone and time of DQ
- Notify Chief Judge when four red cards have been received for the same athlete

## *Posting Board Assistants*

- When notified by the recorder, immediately place the red marks in the relevant blank space(s) beside the offending competitor's number
- Check continuously with the Recorder for the correctness of the electronic Posting Board

## Pre-Race Meeting

- **Led by the Chief Judge**
- Attendance: Chief Judge, Race Walking Judges, Chief Judge Assistant(s), Penalty Zone Manager and Recorder (s). Technical Delegate and/or World/European Athletics Staff should also be present.
- Other persons could also be invited by the CJ if he/she considers it's necessary for the conduct of the competition (e.g. WA Referee or Official Measurer).



*A meeting with the personnel in charge of collecting the red cards must be organized*



# *Pre-Race Meeting*

## **Agenda**

- Welcome and competition introduction
- Timetable confirmation
- Map of the course (track or road), including judges' position
- Competition general information (bibs, start lists, etc.)
- Distribution of individual summary sheets and red cards (other materials as folder, pencils, pens..)
- Uniform – armbands

## *Pre-Race Meeting*

### **Agenda (Cont)**

- Judgement (Yellow Paddle “policy”, act as soon as you have a decision, 35km over judging.....)
- Time synchronising
- System for collecting red cards (assistants, bicycle, skaters, etc....)
- Penalty zone operation (if any)
- Communications between Chief Judge, Chief Judge Assistant(s) and Recorder
- Any other information (hotel pick-up, etc....)
- Post-meeting (s) confirmation (day, place and time)



## *Post-Race Meeting*

- **Led by the Chief Judge**
- Attendance: Chief Judge, Race Walking Judges, Assistants Chief Judge and Recorder (s). Technical Delegate and/or World/European Athletics Staff should also be present.
- Other persons could also be invited by the CJ

# *Post-Race Meeting*

## **Agenda**

- General comments about the events
- Summary sheet distribution, if it's possible. If not, comments about number of disqualified athletes, number of athletes finishing with 2 RC....
- Individual comments by the judges

## *Objective*

- To know the correct set-up for the different race walking events
- To understand the procedures of road measurement

## *Course Selection Rules*

- W.A. Rule 54.11.1 is the general requirement for the selection of the maximum/minimum course length
- W.A. Rule 55.3 indicates how road courses must be measured

## Course Selection

- The courses shall not be too steep in grade - especially any downhill section
- The road surface should be smooth
- Be located as close as possible from the stadium, when the race starts and finishes in the stadium

### Loop course

- Avoid the need for tight turns
- Presents less viewing opportunities for the judges

### 'Out & back' course

- Easy for organisation
- Better for media
- Better for Judges
- Road wide enough to prevent tight turns

## Example of a Course





*Key points to be considered on the course*

## View of width and slope



*Key points to be considered on the course*

## Lap Counters (when no chip timing is present)





*Key points to be considered on the course*

## Personal Refreshment Area





# Key points to be considered on the course

## Posting Boards





*Key points to be considered on the course*

## Turning Points



# *Race-Walking Technique*

# *Race Walking*

**Race Walking is the athletic expression of fast walking:**

- From a biomechanics view it is a complex movement
- It is fixed by the strict observance of rules
- A correct race walking technique permits an improvement in performance.

# *Technical Model of Race Walking*

## **WHY IS A CORRECT RACE WALKING TECHNIQUE NECESSARY ?**

Race Walking is a technical discipline:

- Learning of correct race walking technique is a fundamental prerequisite to develop and to achieve elite performance
- A correct race walking technique permits an integration of physiological aspects with energy cost (economy of race walking).

## Technique Violations



- **Loss of contact**

“Race Walking is a progression of steps so taken that the walker makes contact with the ground, so that no visible (to the human eye) loss of contact occurs”

- *WA Handbook* [TR 54]



- **Bent knee**

“The advancing leg shall be straightened (i.e. not bent at the knee) from the moment of first contact with the ground until the vertical upright position”

- *WA Handbook* [TR 54]



## Race walking with a Double Support Phase



Double  
Support  
Phase

Single Support Phase

Double  
Support  
Phase

Single Support Phase

Double  
Support  
Phase



## Non-Visible (to the Human Eye) Loss of Contact



Single Support Phase

Minimal  
Flight Phase

Single Support Phase

## *Sequence with Knee Movement*



1

2



3

# *Single Support Phase*



Rear Single Support Phase



## *Rear support and push off*



1



2

## *Rear Support Phase*

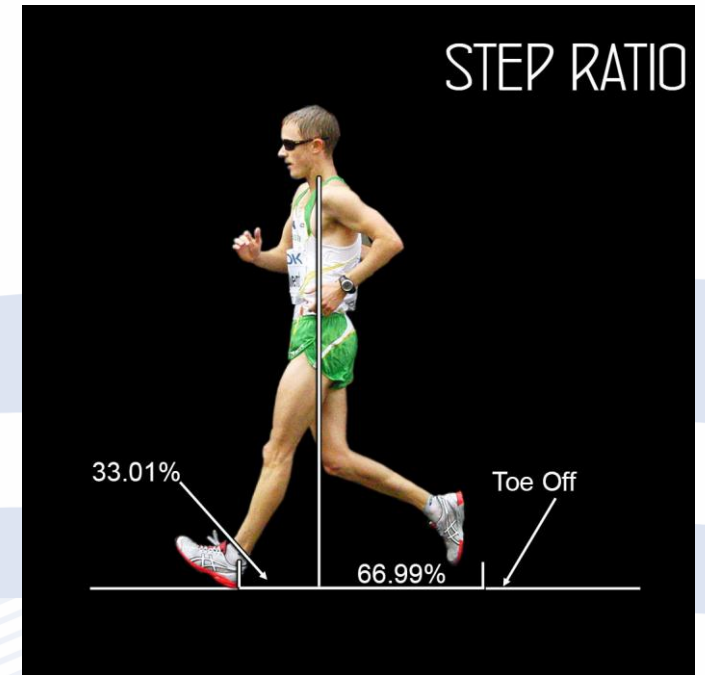
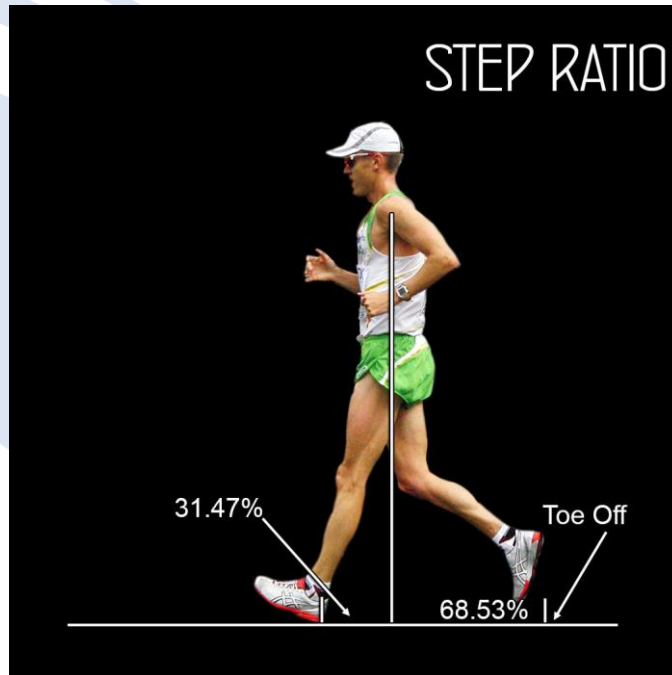
### **Purpose and function**

- Production of major acceleration
- Production of a driving force for forward locomotion

### **Major characteristics and focus of observation**

- Intensive and progressive rolling movement over the outside edge of the support foot
- Intensive push-off action of support foot with forceful plantar flexion
- Ideally, the support leg remains extended from vertical to push-off (heel is off the ground)
- A complete push-off transmits more velocity and stride length
- Leg action supported by a harmonious action of arms, hips and trunk

# Front Support Phase



Front Portion of Stride < Rear Portion of Stride

## Front Support Phase (FSP)

### Purpose and function

- To absorb body weight at foot touchdown with minimal braking action on the horizontal velocity
- To avoid visible loss of contact

### Major characteristics and focus of observation

- Gentle but good heel touchdown with leg completely extended
- Foot rolling forward over outside edge. Avoid braking action whilst doing so: oblique position of the lead arm
- The FSP begins with heel strike of the front leg and it ends when the leg is vertical, below the centre of gravity.
- Minimal loss of contact from the rear support phase until the start of the Front Support Phase

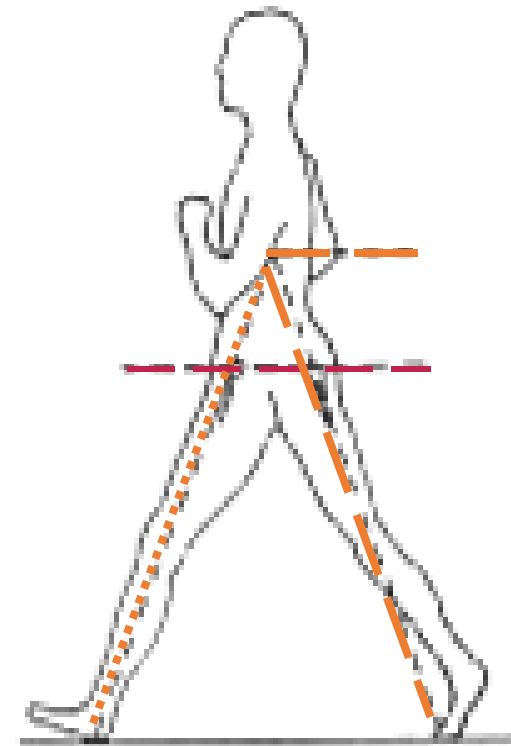
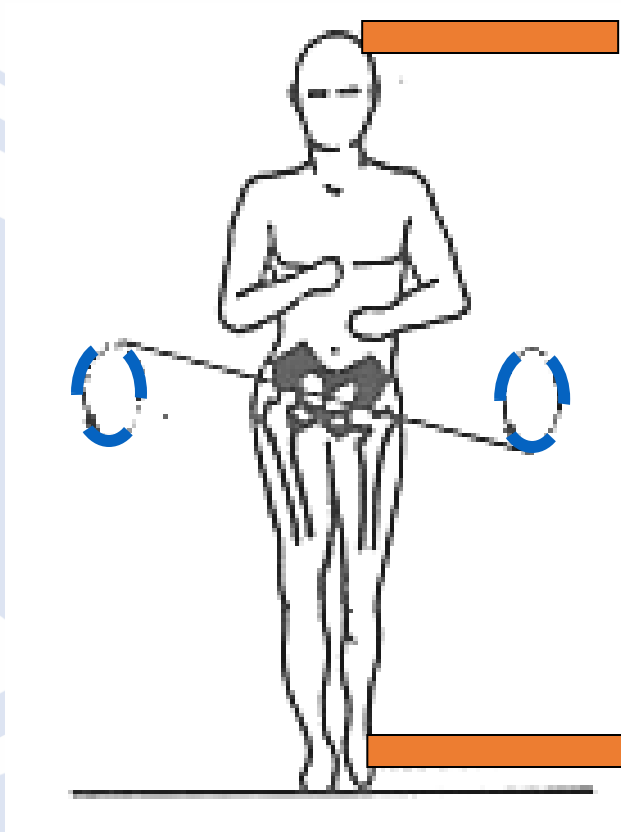


## *Front Support Phase*





## *Hip Movement in Race Walking*



## *Race Walking – Hip Rotation*

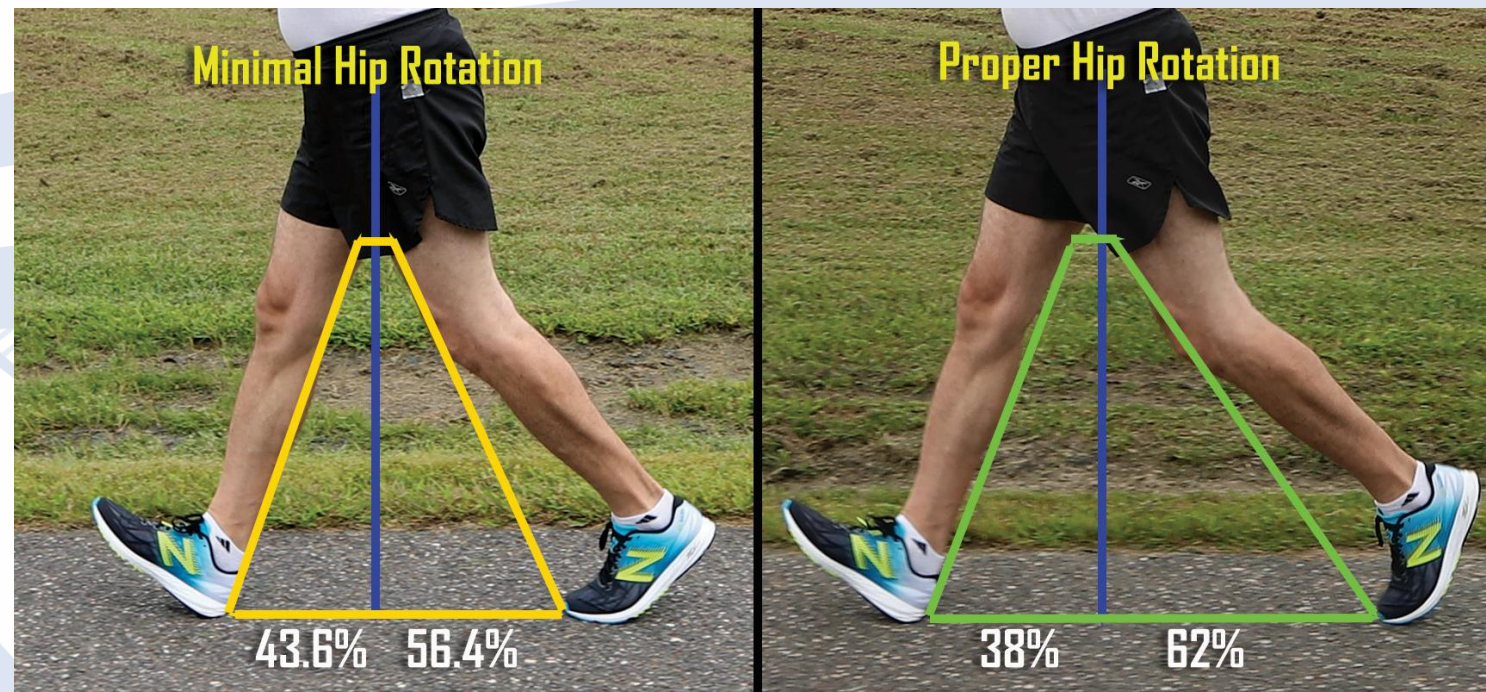
### During hip motion

Hips rotate forward in an elliptical path

Hips rotate forward more than up and down or side to side

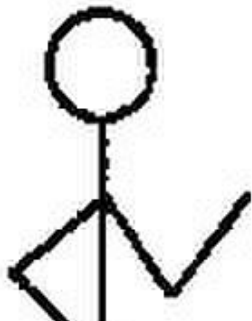
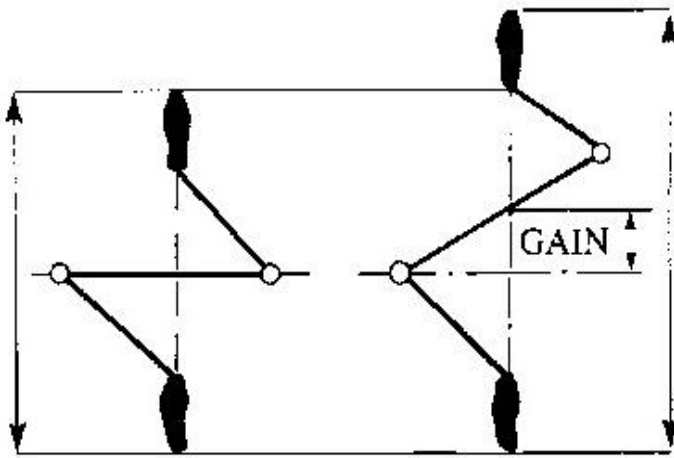
Forward hip rotation:

- increases step length behind the center of mass, thus increasing the propulsive phase of the step
- reduces the braking forces in the front of the center of mass



# Race Walking

## Hip Action



## During hip motion

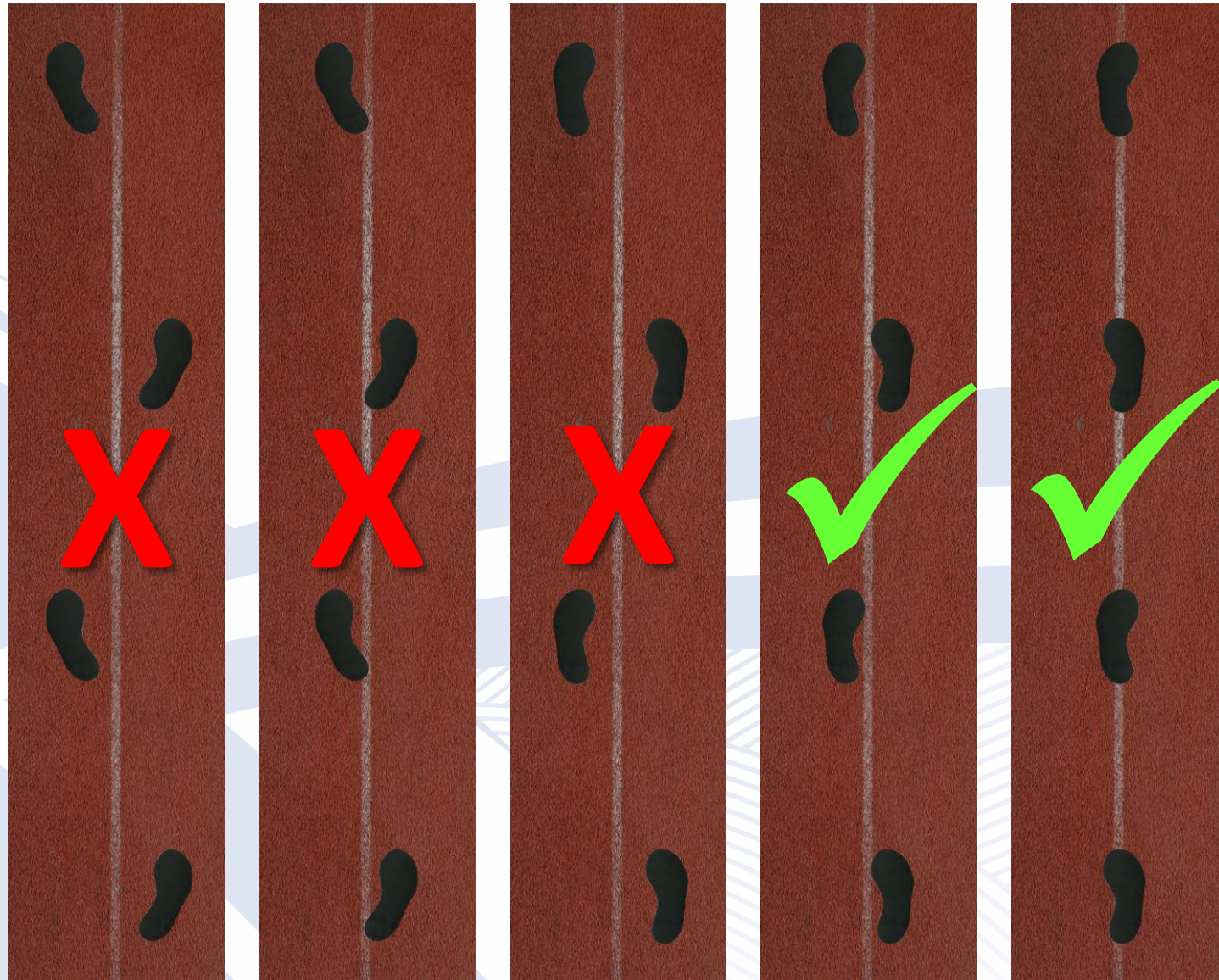
The centre of gravity position should remain at the same level

Technique reduces most vertical oscillations.

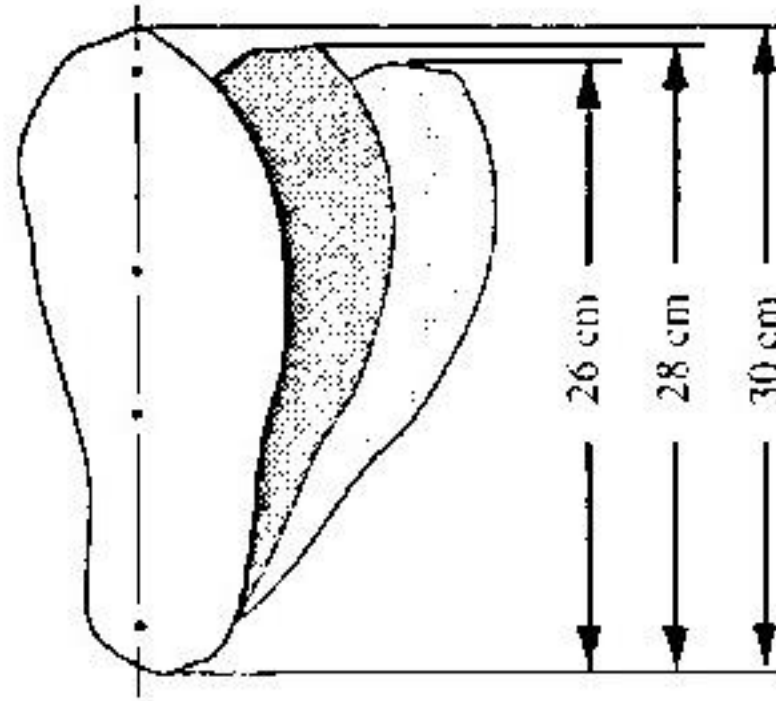




# Foot Placement



# Foot Placement

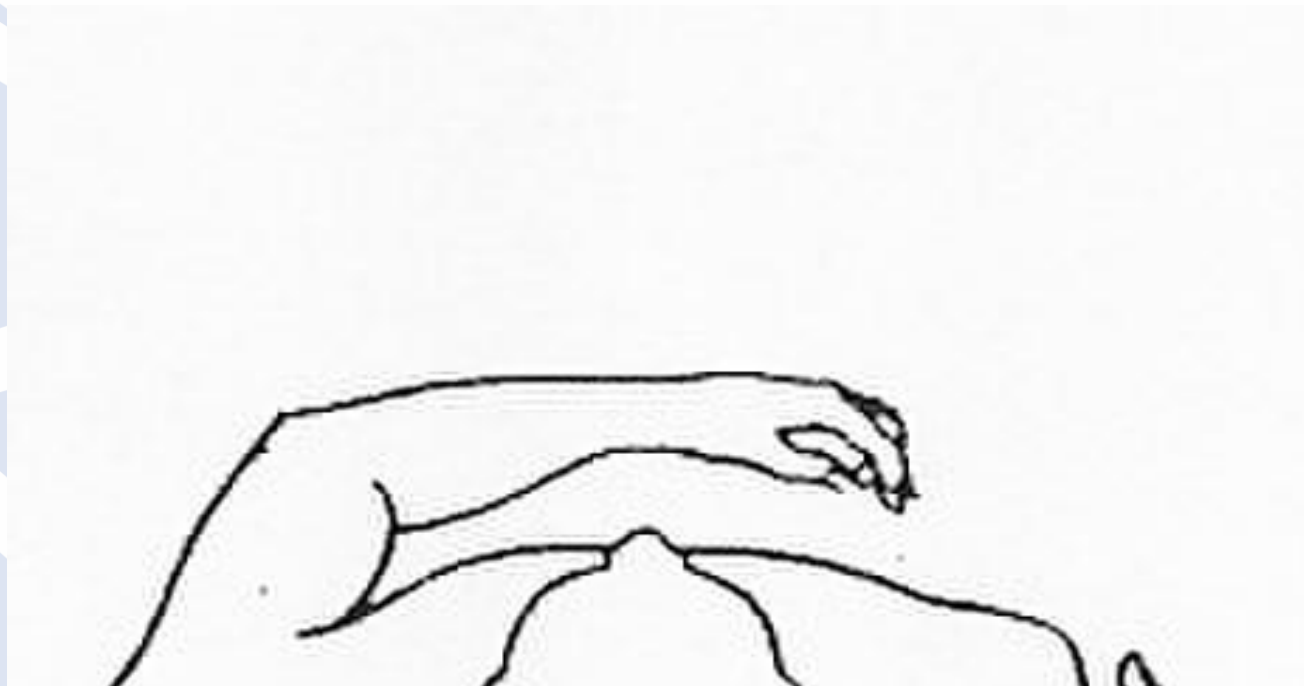


## *Arm Movement*

Support movement to maintain and help locomotion

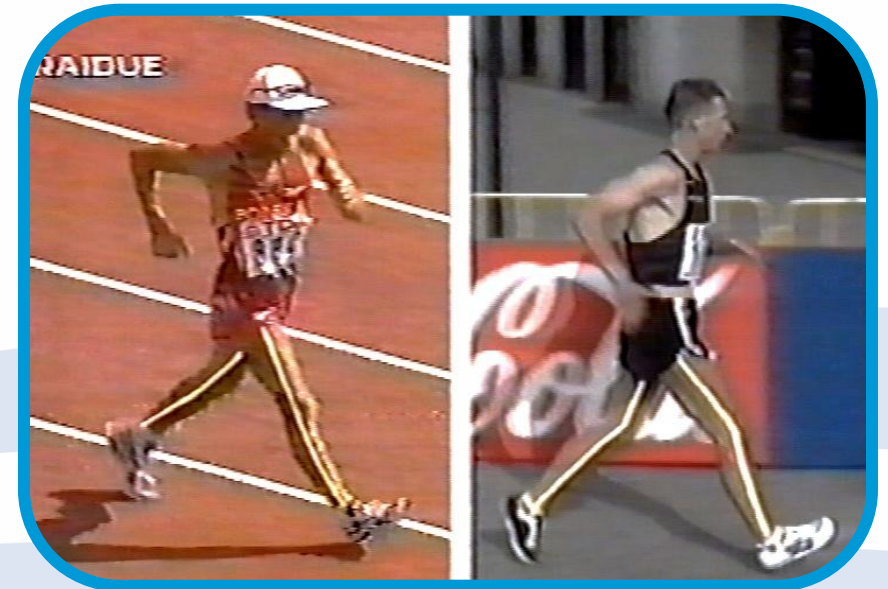
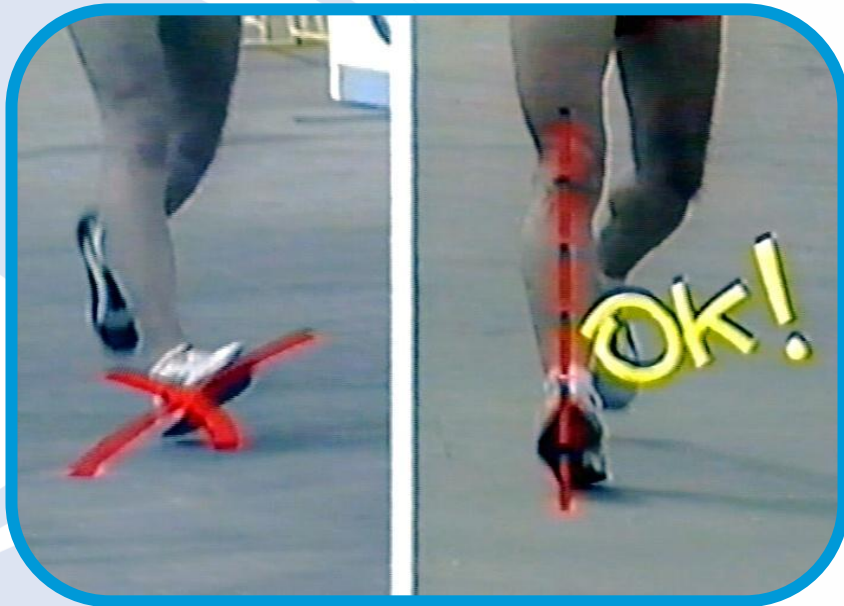
Pay attention that hip side is not hardened in the back, neither in the front

Harmonic oscillations are secondary movements.



# *Correct Technique and Errors*

## Front support phase



## Contact with the ground



# *Correct Technique and Errors*

## Front leg movement



## Push-off back leg



## *Inefficient Technique -1*

- Too much knee lift – resulting in a reduction of the capacity to have a ‘grazing’ advancement (preservation of horizontal speed)
- Backward lean – leads to shorter stride length
- Interruption of the line ‘trunk-pelvis-pushing leg’: loss of speed and lower check-up of relevant technical action – prevents a harmonious action of hips and the preservation of horizontal (speed).

## *Inefficient Technique -2*

- Lateral hip sway – causes reduction in stride length
- High and tense shoulders – leads to a bouncing step and loss of ground contact
- Very short steps caused by early lift of rear foot – the result is an emphasis of the 'no contact' phase

## *Take Home Messages (1)*

- Contact with the ground
- Double contact clearly visible - to the human eye
- Support leg should be straightened from the moment of the first contact with the ground until the vertical upright position
- Emphasise the push off phase
- The 'grazing' step
- Correct stride - related to the anthropometry of the athlete, his/her speed, his/her technical 'maturity'

## *Take Home Messages (2)*

- Harmonious movements of arms, shoulder and trunk
- Rotations of the hips
- Upright trunk
- Relaxed head position
- The advancing leg makes contact with the ground not too far from the perpendicular projection of the centre of gravity
- Progressive foot approaching to the ground
- Complete push-off

# *Application of Competition Rules*

*Objective*

**To have a clear understanding and widespread knowledge of Race Walking as relevant to World Athletics Competition Rules**



# *Structure of the TR54*

## *Definition*

### **Consider the two principles**

- Appearance of continual contact with the ground (i.e. no visible loss of contact)
- To straighten the knee at first contact with the ground (i.e. no bent knee) and maintain until in the vertical upright position

# *Structure of the TR54*

## *Judging*

- Nomination of the Chief Judge
- Number of Judges needed in a competition
- Chief Judge Assistant or Deputy
- Recorder

# *Structure of the TR54*

## *Warning & Disqualification*

- When an athlete has received **red cards**
- Information to the athlete ('Red Card or DQ Posting Board')
- When an athlete is disqualified
- Process of disqualification

# *Structure of the TR54*

## *Start*

- Organisational process of the start
- Gun signal
- Standard orders (TR16.2)
- Pre call in the case of large number of athletes

# *Structure of the TR54*

## *Drinking/Sponging & Refreshment*

Organisational process of:

- Drinking / Sponging
- Refreshments
- Handling of the personal refreshments

# *Structure of the TR54*

## *Course and Measurement*

- Minimum and maximum measurements of the road course
- Reminder of the Rule 55.3 and its criteria for measurements



## *Other Technical Rules*

### *Rule 13 Officials of the competition*

- International Walking Judges (Rule 9)
- Referees (Rule 8)
- Umpires (Running & Race Walking events – Rule 20)
- Lap Scorers (Rule 24)
- Clothing & Numbers (Rule 5.4)
- World records (Rule 31)

# *Interpretation of Competition Rules*

# Objective

- To be able to react in unusual situations appropriately
- To be able to interpret the Competition Rules as they are meant to be understood

# Application of Walking Rule

When to show a yellow paddle to the athlete  
for loss of contact  
for bent knee



When to fill out the **red card**

Red Card for loss of contact

Red Card for bent knee

Judge's Red Card			
Distance:		20km	
Men/Women		Women	
Bib Number		124	
Reason: <small>(fill in the time when the card)</small>		How	Minutes
		10	20
Judge's No.:		5	
Judge's Signature:			

## Red Card Prerequisites

<b>Judge's Red Card</b> 			
<b>Distance:</b>	<b>20km</b>		
<b>Men/Women</b>	<b>Women</b>		
<b>Bib Number</b>	<b>124</b>		
<b>Reason:</b> <small>(fill the time where the case)</small>		Hour	Minute
		<b>10</b>	<b>20</b>
<b>Judge's No.:</b>	<b>5</b>		
<b>Judge's Signature:</b>			

- The infringement must be observed by the human eye
- We need to be sure about our decision, no doubts
- When the athlete is taking an advantage

# Some examples



Yellow paddle or red card ?



# Some examples



Yellow paddle or red card ?

# Some examples



Yellow paddle or red card ?



# Some examples



Yellow paddle or red card?

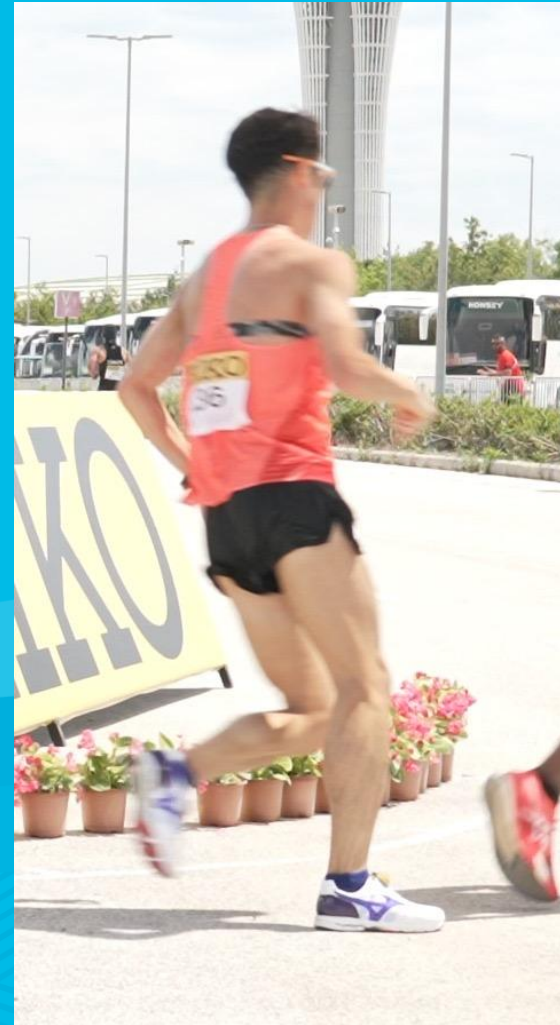
# Some examples



Yellow paddle or red card ?

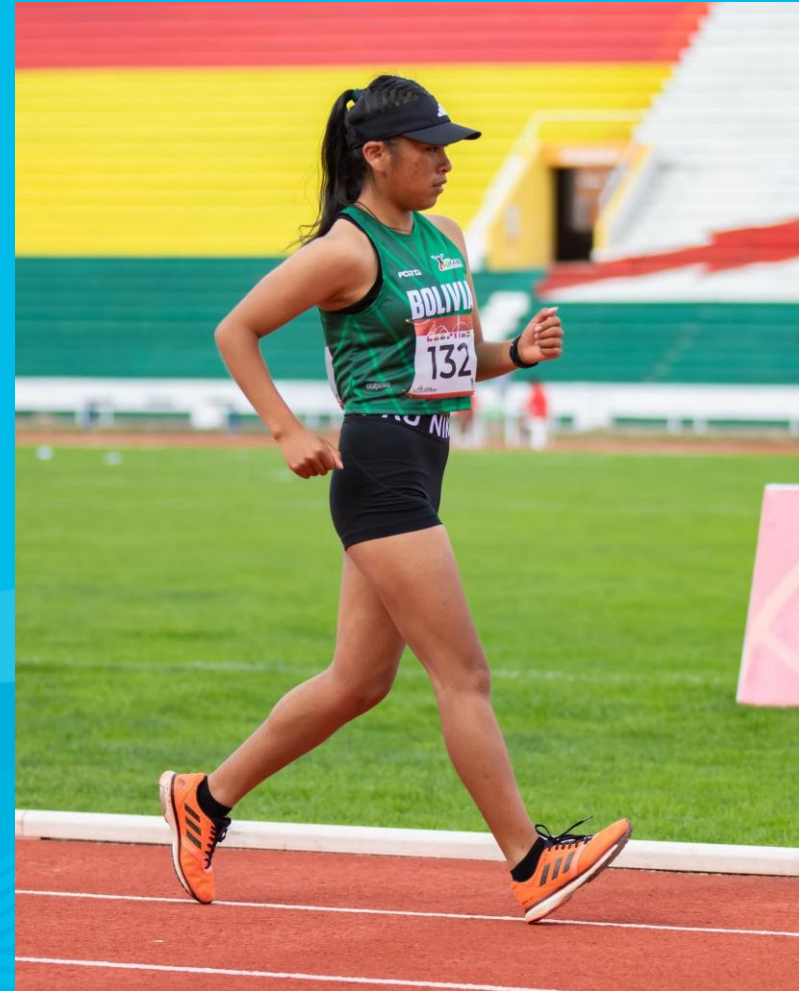


# Some examples



Yellow paddle or red card ?

# Some examples



Text book RW Technique



## *Reasons for Yellow Paddle*

- Allow the athlete to correct himself
- The caution is the only help allowed for an athlete

## *Yellow Paddle's use*

Yellow Paddle will be used always before giving a Red Card to an athlete with the following exceptions:

- An athlete obviously breaks the rule thus clearly gaining an unfair advantage compared to his opponents
- An athlete breaks the rule in the last part of the race where it is too late to caution him/her
- The circumstances in which the Chief Judge can use his/her special powers

In all the other cases, a judge **MUST** give a yellow paddle to an athlete before giving a Red Card.

## Red Card

- **Red Card** determines disqualification of the athlete (namely the 4th one)
- **Red Card** is the 'last final decision' not a 'first instinctive reaction'
- **Red Card** is given when the athlete continues to break the rules of race walking
- **Red Card** needed as fundamental requisite for absolute certainty of the decision

*Could we ever improve judging ?*

**Yes, but we ought to consider  
the walker at the centre  
of the world of Race Walking.**



*Could we ever improve judging ?*

**Yes, but we need the help from all the world of Race Walking.**

**Coaches**

**T.R.54**



**Judges**



# Consistency

- Consistency in both: style and criteria
- Consistency in all aspects of judging
  - Showing paddle in professional manner
  - Documentation
  - Interpretation of the rules
  - Dealing with athletes

# Consistency

## What's consistency means?

Two meanings ....

**1. constancy:** the ability to maintain a particular standard or repeat a particular task with minimal variation

*Consistency is important in performing this job.*

**2. coherence:** reasonable or logical harmony between parts

*The plot lacked consistency.*

*Consistency*

## **CONSTANCY – COHERENCE**

**We need more consistency to be a reliable and understanding sport!!!**

# Consistency

Normally all the “evaluations” or “reports” about consistency are not accurate due the principle is wrong...

Consistency is not only to agree with disqualifications, red cards or yellow paddles...

..... it is also to do the same with athletes who compete according to the rule and do not receive any red card and/or any yellow paddle

**Our future's most important goal is  
to have consistent judging**

**Correct  
Disqualifications**



**Fast Time**

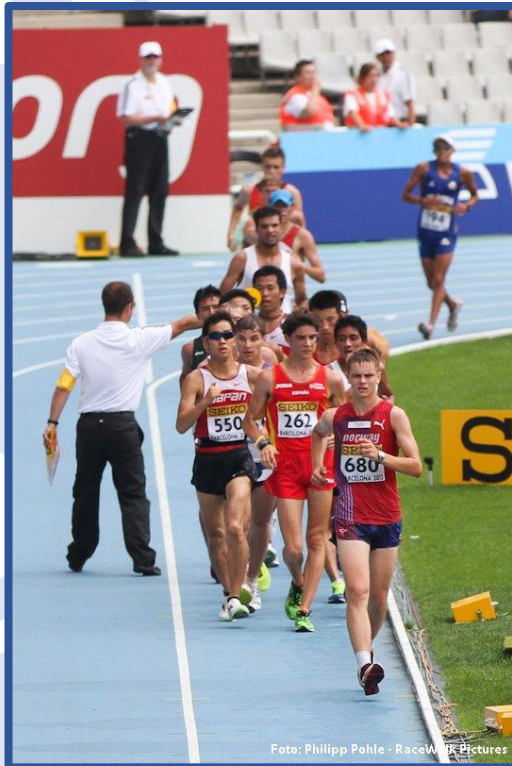


## *Correct position of the judge*

# Position which present a clear view of the legs of competitors

## On the Track

Outside lane where the raised inner kerb  
will not block the view of the competitor's  
feet



## *Correct position of the judge*

### **Position which present a clear view of the legs of competitors**



#### **On the Road**

- Clearly see the contact with the surface of the road
- Look at the competitors from an angle of  $45^{\circ}$  when he/she is moving towards the Judge

## *Key danger areas (Track & Road)*

During the acceleration  
at the start



While passing another  
walker





## *Key danger areas (Track & Road)*

- In the middle of the group
- During the finishing sprint



## *Key danger areas (Track & Road)*

- Turn arounds, and narrow courses
- Hill and Incline areas





## *Key danger areas (Track & Road)*

Sharp turns



Aid and refreshment or  
water/sponging areas



## *Other difficult situations*




- Large number of competitors
- Mixed events (men and women)
- Mixed events (seniors and juniors)
- (Circuit) to the stadium
- Last lap on track events

# Race Walking Judge individual sheet

Each Race Walking Judge must collect all the actions that he made during the competition... yellow paddles, red cards, times, etc.

Once the competition is finish, he will forward to the Chief Judge or Recorder

## Red Card Form

<b>Judge's</b>			
<b>Red</b>			
<b>Card</b>			
 <b>WORLD ATHLETICS CHAMPIONSHIPS BUDAPEST 23</b>			
<b>Distance:</b>			
<b>Men/Women</b>			
<b>Bib Number</b>			
<b>Reason</b> (fill the time where the case)		Hour	Minute
		Hour	Minute
<b>Judge's No.:</b>			
<b>Judge's Signature:</b>			

## Red Card

They must be filled in completely and without failures. If not done in this way, it can be returned by the Chief Judge or the Recorder

# *Race Walking Summary Sheet*

## **Race Walking Summary Sheet**

### Responsibility of the Recorder and the Chief Judge

You must write down all the yellow paddles and red cards of the competition, as well as the hours of notification of the disqualification. Fill also the data of the athletes.

It is delivered to all judges and Teams through the TIC



## *Race Walking Summary Sheet*

The time at which the Chief Judge or Assistant shows the Red Paddle to an athlete will be noted as the DQ time.

Reflect all athletes, even those who have not received any single Yellow Paddle or Red Cards.

**If following the race, there are athletes with no yellow paddles/red cards it is also a reflection of consistency in the judging.**

Put the athletes in ascending bib order.

## *Race Walking Summary Sheet*

- Summary Sheets indicating the yellow and red cards issued to the athletes during a race by the single judges on duty are not always released to the athletes or teams after the competition.
- Practices are different from one country to another however WA has the opinion that such publication is beneficial at all levels and must be enforced.
- Publication of the Race Walking Summary Sheet contribute to building trust and transparency to Race Walking

# JUDGING SUMMARY SHEET (RACE WALKING)

DATE			START TIME			EVENT															CHIEF JUDGE'S NAME									
20th	August	2023	07:15			World Athletics Championships, Budapest 2023- Women's 20km Race Walk															Zoë Eastwood-Bryson (AUS)									
Judge's Name	Jean-Pierre	DAHM	FRA	José	DIAS	POR	Anne	FRÖBERG	FIN	Daniel	MICHAUD	CAN	Sergio	SOLANA SOR	ESP	Man Chun	YEUNG	HKG			Penalty Zone	Chief Judge	DQ Notification	Check of	Yellow Paddles &	Disqualifications				
Number	1		2			3			4			7			8															
Athlete's Number	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Entry Time	Time	Time	~	^	RC		
	~	<			~	<			~	<			~	<			~	<			~	<	Exit Time	Offence		~	^	RC		
100	HENDERSON Rebecca AUS 1:35:51 (33.)																													
							07:30								07:28		07:45									2	0	1		
101	MONTAG Jemima AUS 1:27:16 (2.)																													
				07:40			08:34						07:54		08:04												3	0	1	
103	SANDERY Olivia AUS DQ TR 54.7.5																													
	08:11			07:36	07:42	07:25	08:15						07:20	07:34		07:29	07:36						07:46		08:17	1	4	4		
104	CASTRO CHIRIVECHZ Angela Melania BOL 1:40:01 (40.)																													
																										0	0	0		
105	DE SOUSA Gabriela BRA 1:33:59 (27.)																													
	07:35			07:51																							2	0	0	
106	LYRA Viviane BRA 1:28:36 (8.)																													
	08:40						07:43		07:51	07:35																	3	0	1	
108	SENA Erica BRA 1:29:53 (13.)																													
	08:05									08:13	08:25		08:37														1	2	1	
111	LIU Hong CHN 1:30:43 (17.)																													
	08:20												07:50			08:10											3	0	0	
112	MA Zhenxia CHN 1:28:30 (7.)																													
		07:42		08:29			07:55			08:19	07:51	08:23															3	2	1	
114	YANG Jiayu CHN 1:29:40 (12.)																													
																											0	0	0	
CHECK PAGE	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC
	4	2	0	3	1	1	5	0	2	2	2	2	2	2	2	1	2	0	0	0	0	0	0	0	0	0	0	18	8	9
CHECK TOTAL	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC
	4	2	0	3	1	1	5	0	2	2	2	2	2	2	2	1	2	0	0	0	0	0	0	0	0	0	18	8	9	

ASSISTANTS TO CHIEF JUDGE NAME

Orsolya Gruber (HUN), Guillermo Pera Vallejos (ARG)



RECORDER'S NAME

Zuzana Costin (SVK)

# JUDGING SUMMARY SHEET (RACE WALKING)

DATE			START TIME		EVENT																CHIEF JUDGE'S NAME						
5th	August	2022	09:38		World Athletics U20 Championships, Cali 2022- Women's 10,000m Race Walk																Jean Pierre Dahm (FRA)						
Judge's Name	Shaun GALLAGHER (IRL)	Vasco GUEDES (POR)	Guillermo PERA VALLEJOS (ARG)	Ian RICHARDS (GBR)	Sergio SOLANA (ESP)													Penalty Zone	Chief Judge	DQ Notification	Check of Yellow Paddles & Disqualifications						
Number	1		2		3		4		5		6		7		8												
Athlete's Number	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Yellow Paddle	RC	Entry Time	Time Offence	Time	~	<	RC			
	~	<	~	<	~	<	~	<	~	<	~	<	~	<	~	<	~	<	Exit Time								
1680	Shotaro SHIMOIKE (JPN) (17) 44:48.45																										
																						1	0	0			
1701	Heristone Wanyonyi WAFULA (KEN) DQ																										
	10:10		10:13		10:10		10:12		09:55		10:07		10:11		10:19		09:59		10:16		10:28	4	1	4			
1731	Angel MONTES DE OCA (MEX) (18) 45:04.83																										
	09:50								09:57		10:04		10:05		10:10							3	0	2			
1735	Jonathan Jacob PENA MARTINEZ (MEX) (13) 44:26.99																										
									10:19													1	0	0			
1742	Gabriel ALVARADO (NCA) (10) 44:01.91																										
									09:53		10:07		09:48									2	0	1			
1822	Tiago RAMOS (POR) (16) 44:47.21																										
																						0	0	0			
1949	Oussama FATHAT (TUN) (4) 43:08.20																										
					09:59		10:20		09:40						10:22							2	0	2			
1952	Mazlum DEMIR (TUR) (1) 42:36.02																										
													10:13									1	0	0			
1955	Hayrettin YILDIZ (TUR) (3) 43:07.95																										
									10:04						10:22							1	0	1			
1965	Mykola RUSHCHAK (UKR) (24) 46:42.36 PZ60																										
	09:45		09:49		09:47				10:06		09:45		09:50		09:52				09:54			4	1	3			
CHECK PAGE	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC
	3	0	2	3	0	2	3	2	2	6	0	3	4	0	4	0	0	0	0	0	0	0	0	0	19	2	13
CHECK TOTAL	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC	~	<	RC
	11	0	6	6	3	5	10	4	5	14	4	6	10	1	8	0	0	0	0	0	0	0	0	0	51	12	30
ASSISTANTS TO CHIEF JUDGE NAME												RECORDER'S NAME															
Paul Delgado (PER)												Candido Velez (PUR)															
Page 3																											



RW JUDGE RECORD					RW JUDGE RECORD				
									
BIB	YELLOW PADDLE		RED CARD		BIB	YELLOW PADDLE		RED CARD	
	~	<	~ OR <	TIME		~	<	~ OR <	TIME
867	<del>8:43</del>	8:43			581	10:02		~	10:09
140	8:44		9:02		851	10:02		~	
740	<del>8:44</del>	8:44		9:02	450	11		~	10:55
1088	8:44				574	11			
595	8:44	11:40			122	12		~	10:21
840	8:44				805	17		~	10:22
449		8:51		10:10	488	17			
<del>353</del>	<del>8:51</del>	<del>8:51</del>	9:23		263	18			
510		8:52			728	10:20			
510		8:52			449	22			
659	9:00	8:59			859	27			
889	9:01				464	30			
1086		9:18	9:37		966	33			
199		9:18			236	33			
720	9:21	11:38			667	37			
510		9:21			246	37			
427	9:26				910	48			
382		9:48			267	52			
836	9:49		10:07						
1025	10:57								
296	10:58								
290	11:45								
JUDGE No	SIGNATURE				JUDGE No	SIGNATURE			
VENT	100m - WC				EVENT	World			
ISTANCE	50km				DISTANCE	20 Km W			
DATE AND PLACE	14/8/13				DATE AND PLACE	13/8/13 Moscow			





## RW JUDGE RECORD

## RACE WALKING JUDGE RECORD

Judge N°



Signature \_\_\_\_\_

Event

### Distance



Date &amp; Place



Judge's Red Card 			
Distance:	20		
Men/Women	Women		
Bib Number	626		
Reason: <small>(fill the time where the case)</small>	~	Hour 17	Minute 28
	<	Hour	Minute
Judge's No.:	7		
Judge's Signature: 			

Judge's Red Card 			
Distance:	20km		
Men/Women			
Bib Number	626		
Reason: <small>(fill the time where the case)</small>	~	Hour	Minute
	<	Hour 17	Minute 30
Judge's No.:	6		
Judge's Signature: 			
3.05.2014			

Judge's Red Card 			
Distance:	20KM		
Men/Women	F		
Bib Number	626		
Reason: <small>(fill the time where the case)</small>	~	Hour 17	Minute 01
	<	Hour	Minute
Judge's No.:	3		
Judge's Signature: 			

Judge's Red Card 			
Distance:	20 km		
Men/Women	W		
Bib Number	626		
Reason: <small>(fill the time where the case)</small>	~	Hour 16	Minute 58
	<	Hour	Minute
Judge's No.:	5		
Judge's Signature: 			



# Judge's RED CARD



Distance	20		
Men/Women	W		
Bib Number	450		
Reason	~	Hour	Minute
	<	10	55
	<	Hour	Minute
Judge's number	7		
Judge's signature			

# Judge's RED CARD



Distance	20 km		
Men/Women	W		
Bib Number	464		
Reason	~	Hour	Minute
	<	10	52
	<	Hour	Minute
Judge's number	8		
Judge's signature			

**IAAF Athletics**  
Race Walking Judge's Red Card

Date: 22/4/11 Event: 20 km Race Walk

Athlete bib number	Time
352	8.24

Reason	Bent knee	<	
	Loss of contact	~	X

Judge's signature:

Judge's number: 3 1

# Judge's Red Card



Distance:	20 km.		
Men/Women			
Judge's No.:	3		
Bib Number	143		
Reason: (fill the time where the case)	~	Hour	Minute
	<	08	49
Judge's Signature:			



Athletics

Judge red card record  
form - Race Walk



Date

04092012

Event

O.G. 20 Km M

Bib number

2359

Time

17:45

24-hour

Reason

Bent knee <

☐

Loss of contact ~

☒

Judge's signature



Judge's number

2

www.european-athletics.org

O-AT-32





# *Electronic Communication System*

*Objective*

**To understand the procedure of  
electronic communication systems  
for major events**

## *Benefits of the system*

- Reduces the time needed for showing the Red Card on the DQ Posting board and the decision making
- Consequently reduces the time between the fourth red card and disqualification
- Helps the athlete
- Allows coaches to know the judges' decisions on the athlete
- Ensures that the media and public get the latest technical news on the progress of the race

## *Procedures and System Components*

The achievement of the objectives is through the use of a modern data processing system which guarantees:

- Faster information
- Security of information flow
- Absolute certainty of no outside interference

*Penalty Zone*



## *Penalty Zone*

### **Background**

The objective of this proposal was to offer a tool for an adequate training and understanding of the rules of the Race Walking, not only from the practical point of view, but also philosophically and according to the values that are the roots of this sport.

It also serves to increase the attractiveness of the discipline that could increase the participation in the Race walking of these same young people.

This new rule can reduce the number of disqualified athletes, and also that judging by the judges generates more confidence, becoming an educational tool that helps to better understand the rules.

# *Penalty Zone*

## **Introduction**

- In accordance with a proposal from the WA Race Walking Committee, the WA Council approved that, as of 2014, all national competitions for athletes under 16 years of age should be carried out, in as many as possible, with some regulation on the Pit Lane (penalty zone), with the main objective of reducing (if not eliminating) the disqualifications
- The original guidelines made by the WA are intended for track competitions on distances of 5,000 or 10,000m, which are the most common for Athletes under 18 and which are controlled according to article 230.3 (e), that is 6 Race Walking judges, including the Chief Judge
- This has since been adapted to all competitions including World Championships and Olympic Games

## *Penalty Zone TR54*

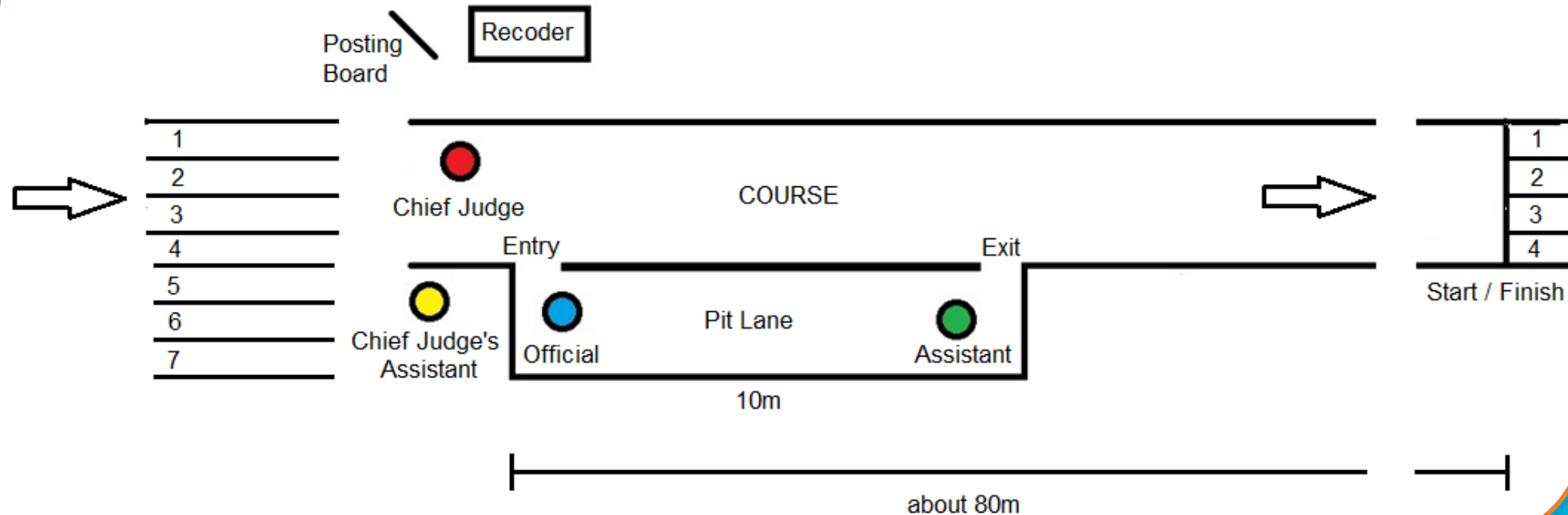
- A Penalty zone shall be used for any race where the applicable regulations for the competition so provide and may be used for other races as determined by the relevant governing body or Organisers.
- In such cases, an athlete will be required to enter the Penalty zone and remain there for the applicable period once they have received three Red Cards and are so advised by the Chief Judge or someone delegated by them.

## *Penalty Zone*

### **Penalty Area Set-up (for track events)**

- It should be located in the final straight, in lanes 5 to 7, close to the 100m start line and in front of the Posting Board.
- It shall have one entrance and one exit at opposite ends (both of the same size) and be of 10m in length (maximum). The width can vary but should be such to allow up to 5 athletes at the same time.
- Small barriers or cones should be used to clearly identify the penalty area.
- The athlete is free to stop or continue moving inside the penalty area however there shall be no benches and no Access to refreshments, drinking, sponging or other kind of assistance unless under medical orders but communication with coaches is allowed.
- Set up for road events should be similar though compatible with existing space constraints.

## Example of set-up for a track or road event





## *Penalty Zone*

### **Additional Officials**

- There must be 2 red-card collectors next to each Race Walking Judge to ensure the fastest possible delivery of the red cards to the Recorder
- 1 official and 1 assistant will be required to manage the operation of the Penalty Area (in charge of the athletes' entry and exit, plus the control of the penalty time).
- 1 Chief Judge's Assistant will be required to help the Chief Judge communicate the penalty times to the athletes concerned, especially in the last laps.

## *Penalty Zone*

### **Judging**

The applicable period in the Penalty Zone shall be as follows:

Races up to and including	Time
5000m/5km	30secs
10,000m/10km	1min
20,000m/20km	2min
30,000m/30km	3min
35,000m/35km	3.30min
40,000m/40km	4min
50,000m/50km	5min

## *Penalty Zone*

### **Judging**

After the time penalty, and following the instructions of the official in charge of the penalty area, the athlete shall re-enter the event.

The athlete is not judged in the Penalty Area

If the athlete then receives any additional Red Card (s) from the judges who had not previously sent him one, he shall be disqualified and the Chief Judge or his assistant must notify the disqualification as soon as possible.

If an athlete receives 4 or more Red Cards before stopping in the penalty area, the athlete shall be disqualified and the Chief Judge or his assistant must notify the disqualification as soon as possible.

## *Penalty Zone*

### **Judging**

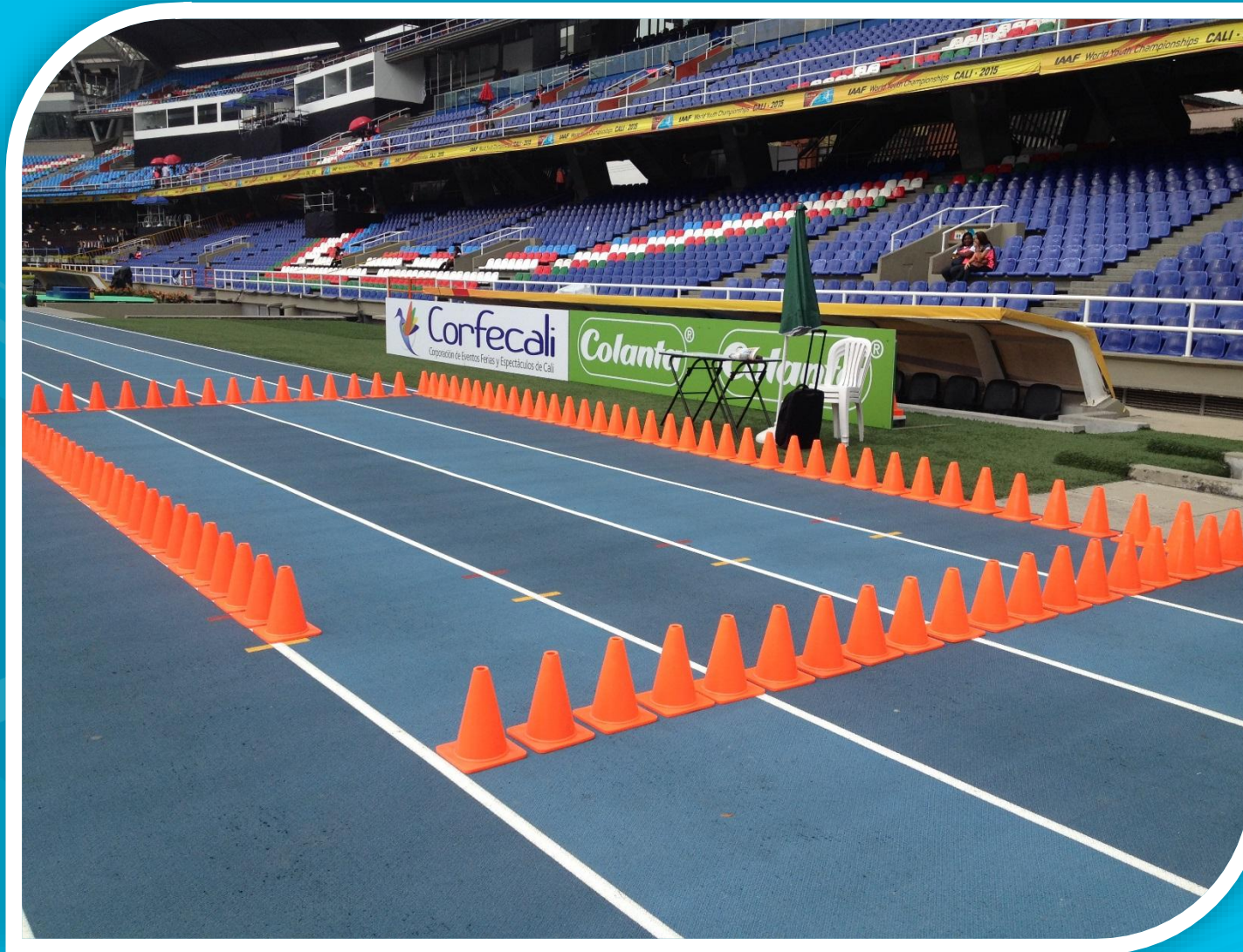
If an athlete receives the third Red Card at the late stage of the race and it's not possible for the Chief Judge or his/her assistant to notify the athlete that he must stop in the penalty zone, the athlete shall finish the race and the penalty time shall be added to his/her official time.

The Chief Judge maintains the power to immediately disqualify the athlete in the last 100m of a race (no time penalty) if he tries to gain an unfair advantage.

**An athlete who fails to enter the Penalty Zone when required to do so, or remain there for the applicable period, shall be disqualified by the Chief Judge or Referee.**

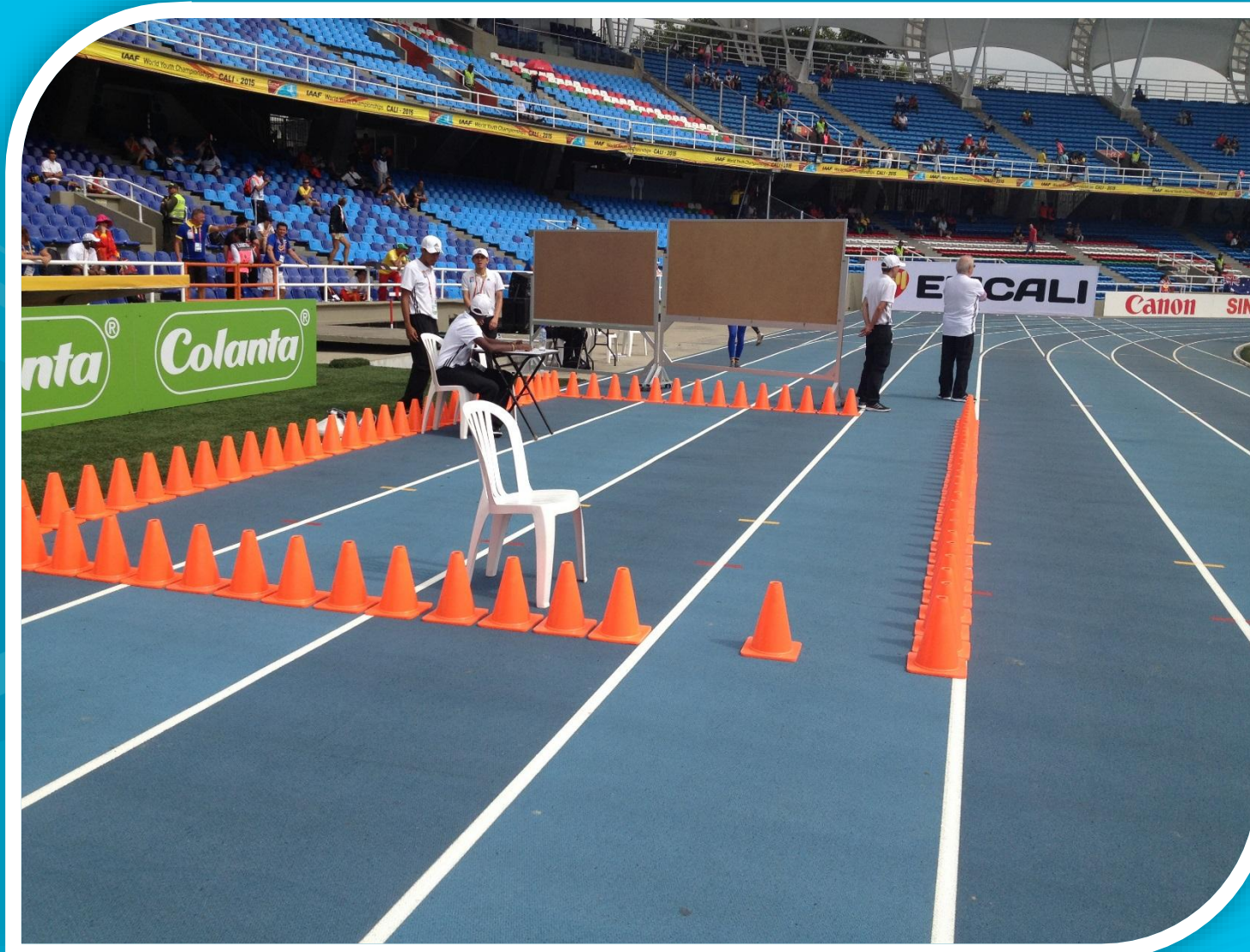


# Penalty Zone– IAAF WYC Cali 2015





# Penalty Zone – IAAF WYC Cali 2015

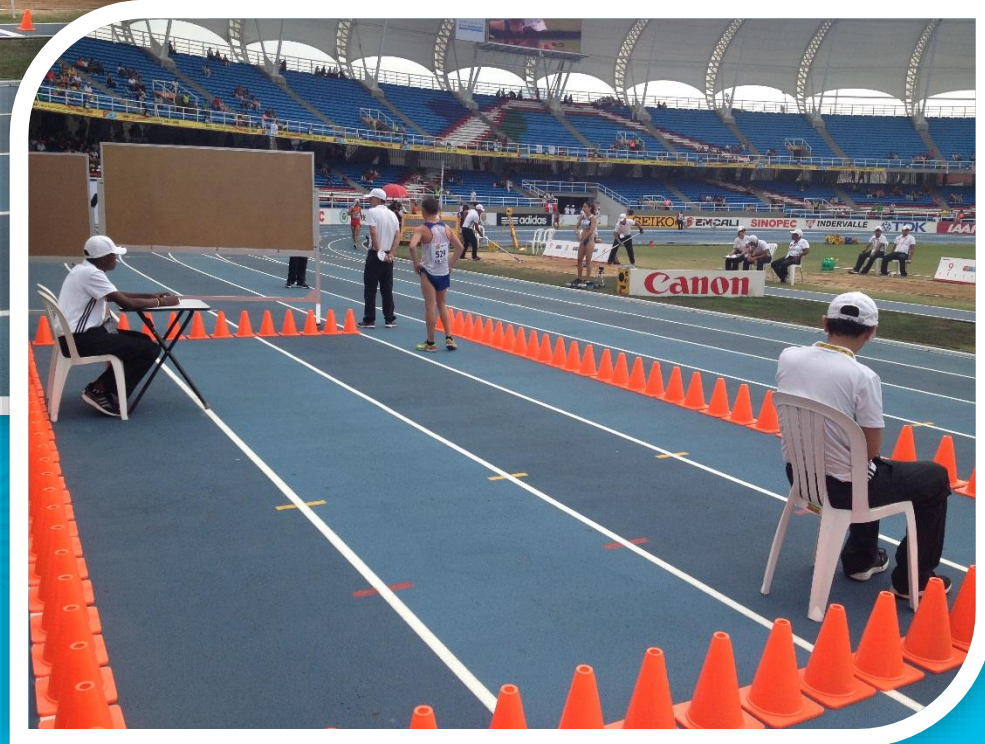
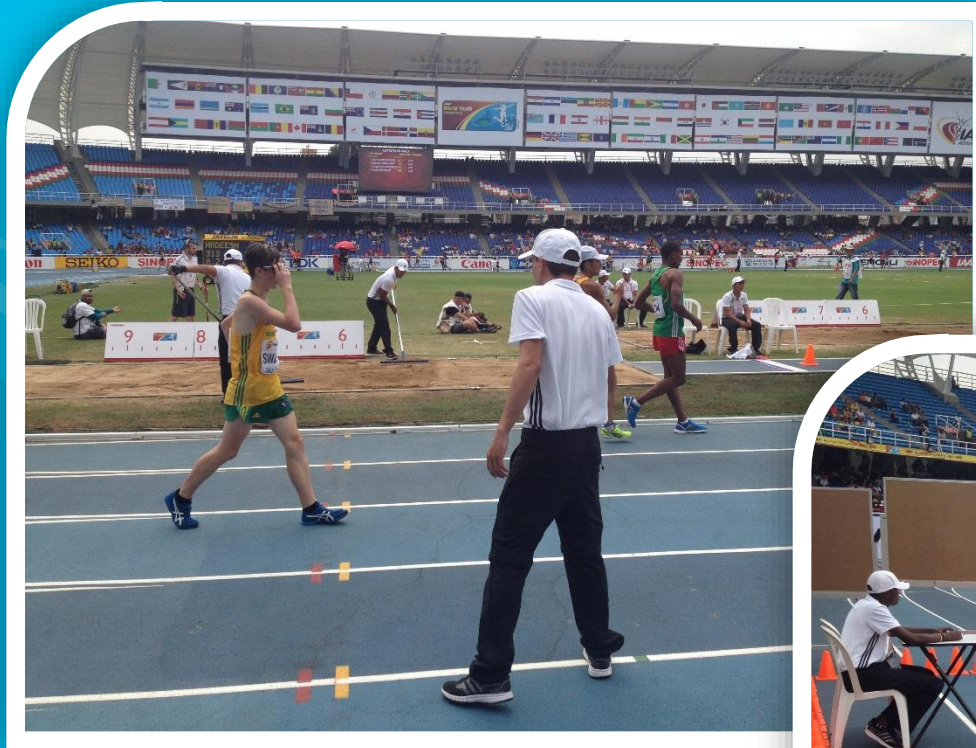




# Penalty Zone – IAAF WYC Cali 2015

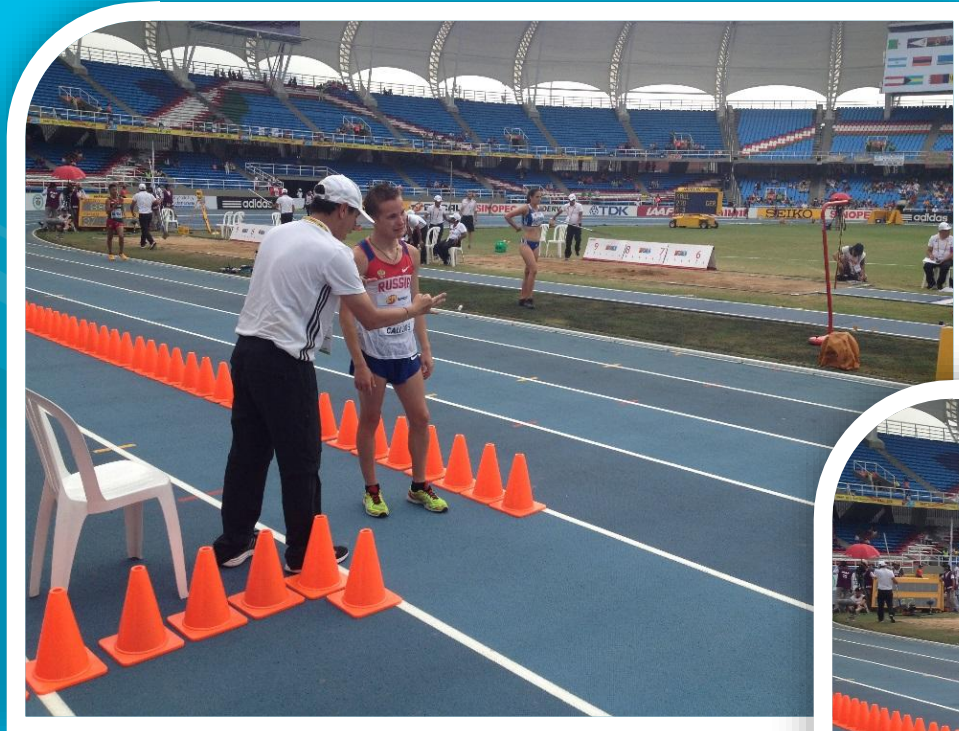


# Penalty Zone – IAAF WYC Cali 2015

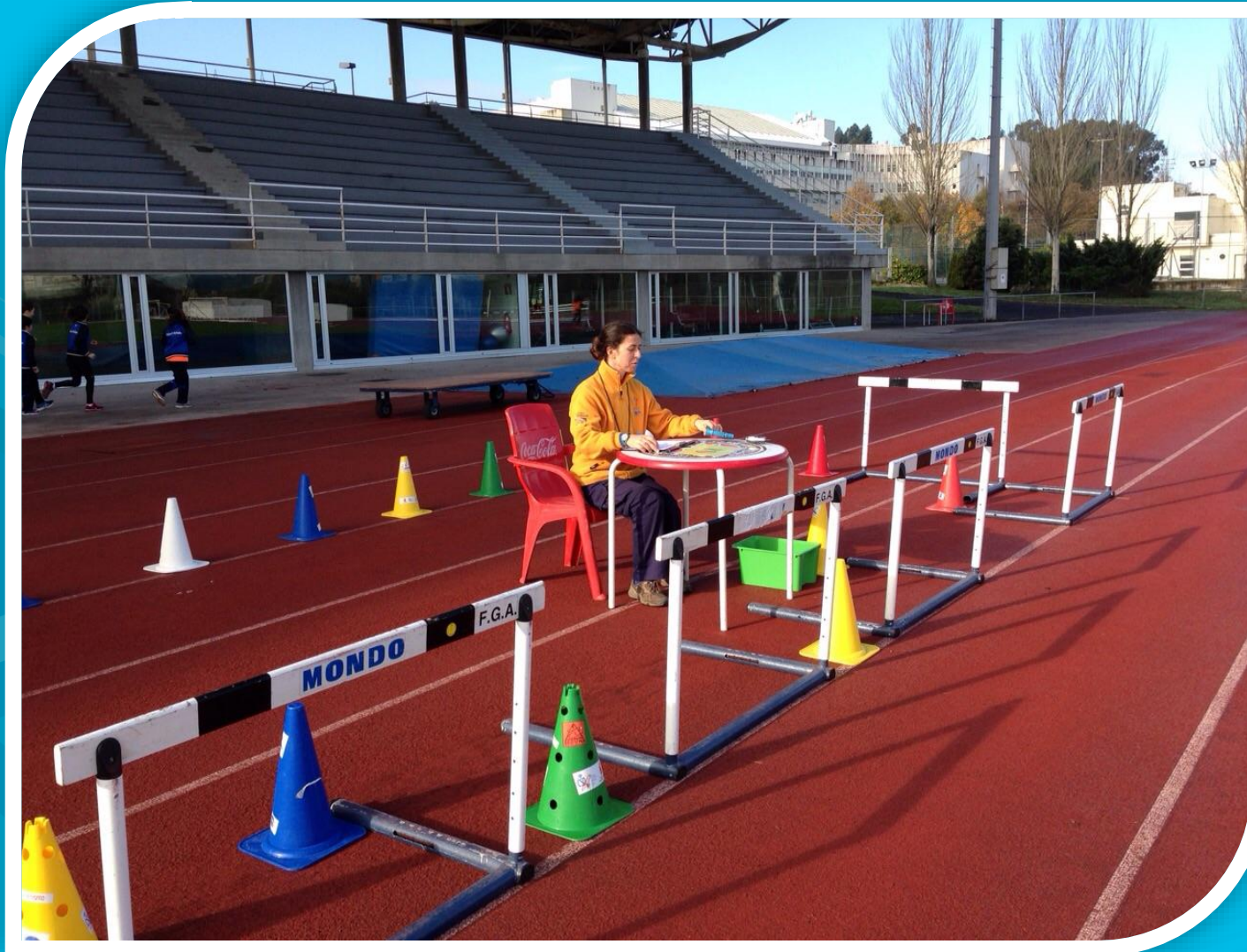




# Penalty Zone – IAAF WYC Cali 2015



# Penalty Zone – Other Examples





# Penalty Zone – Other Examples



# Penalty Zone – Other Examples



## Communication Systems (Seiko, Omega and ATOS)



## *Examples of system*

Such system is used in the IAAF World Championships and World Athletics Race Walking World Cup, European Athletics Championships and Olympic Games



**(Olympics Games)**



**(World Athletics Competitions)**



**(European Athletics Competitions)**

### Major differences:

- Seiko connects all judges terminals with cabling
- Omega uses wireless technology to connect the judges terminals
- ATOS uses mobile phones connected via 3G network



**SEIKO**









The image shows two large, yellow-framed electronic scoreboards mounted on black scissor lifts. Each scoreboard has the 'SEIKO' brand name at the top. The left scoreboard displays a 3x8 grid of numbers, and the right scoreboard displays a 3x6 grid. The numbers are green on a black background. In the background, the stadium's roof structure and a person in a dark uniform are visible.

SEIKO		
120	354	586
147	365	593
225	377	616
269	426	620
274	445	631
276	447	635
337	464	652
350	553	698

SEIKO		
708	875	995
711	879	1004
775	898	1043
791	901	1066
792	922	1070
824	927	1076
827	933	1160
831	985	





SEIKO RACE WALKING ver AR1.00

IAAF World Championships  
London

Mix 50kmW

StartTime: 07:46:19, RaceTime: 3:38:03, Now: 11:24:22

SEIKO

### PENALTY LOG

Time	Bib	Judge	Type	Cnt	Status
10:48:39	524	Chief	DQ	4	Manual
10:46:51	524	8	<	3	Confirm
10:41:14	369	3	<	1	Confirm
10:25:01	391	Chief	DQ	4	Manual
10:24:11	452	5	<	2	Confirm
10:22:34	391	2	~	3	Confirm
10:22:23	111	3	<	1	Confirm
10:21:04	506	Chief	DQ	4	Manual
10:19:20	506	4	<	3	Confirm
10:15:15	453	4	~	1	Confirm
10:09:17	391	6	~	2	Confirm
10:06:27	524	3	<	2	Confirm
10:05:21	438	1	~	1	Confirm

### DISQUALIFICATIONS

Time	Bib	Judge	Type	Status
10:48:39	524	Chief	DQ	Manual
10:25:01	391	Chief	DQ	Manual
10:21:04	506	Chief	DQ	Manual
10:00:34	531	Chief	DQ	Manual
09:47:30	416	Chief	DQ	Manual
09:45:46	498	Chief	DQ	Manual
09:33:55	382	Chief	DQ	Manual

### Warning Board Mimic

111	<	368	399	438	~	489	521
124		369	<	400	443	493	523
125		373	DQ	<<<	407	445	494
224		379		414	448	498	DQ
253		382	DQ	<<<	415	452	<<
259	DQ	<<<	383	416	DQ	~	453
265	<	385		418	<	460	513
358		386	<	423	DQ	<<<	464
364		391	DQ	<~	427	465	~
365		394		428	<	479	~

### PENALTY SUMMARY

Judge	Time	Cnt
1	10:05:21	6
2	10:22:34	6
3	10:41:14	8
4	10:19:20	5
5	10:24:11	6
6	10:09:17	7
7	10:04:11	5
8	10:46:51	7
Chief	10:48:39	10

11:24  
13/08/2017



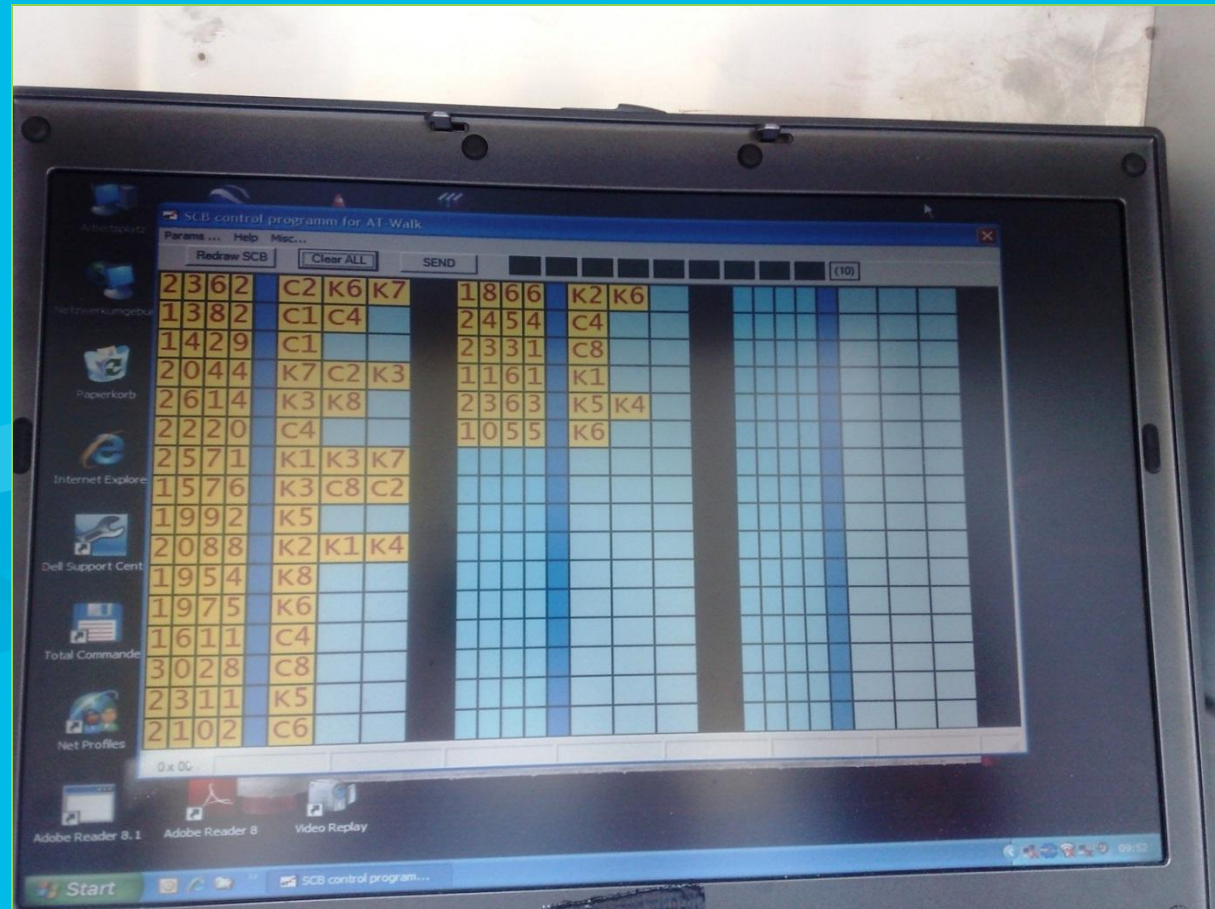
**SEIKO**

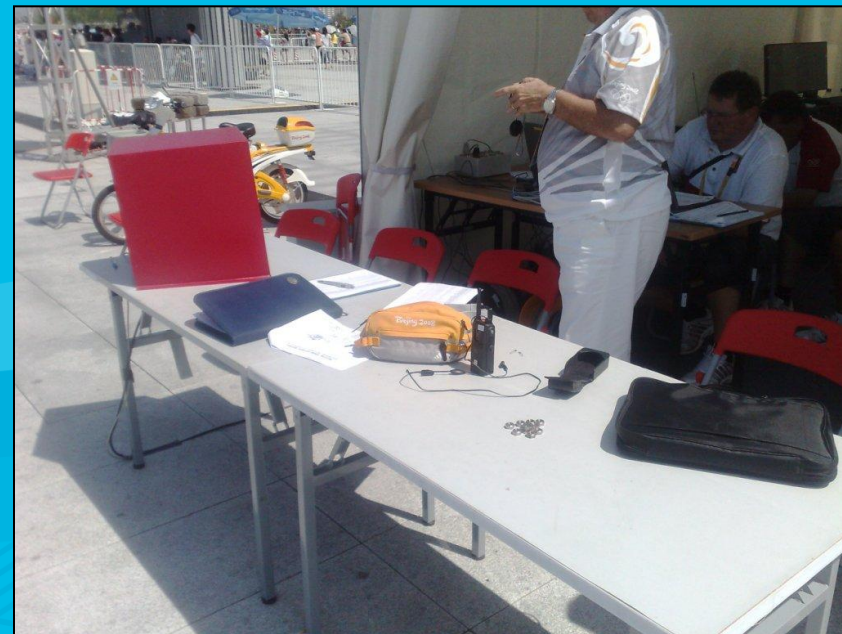


**Ω OMEGA**









## Race Walking judge interface

Competition view



Send a YP or RC





## View for the chief judge and the recorder

← 09:16 - marcha 1 ↻

Bib	YP	RC	Bib	YP	RC
1	~ <	~	23		<
42	<		43	<	
50	<	~	51	~	
52	~		53	~	
54	<		55	<	
56	<	<	57	<	~
58	<		59	<	
60	<	~ <	61	~	~
62	<		63	<	
64	<		65	<	
66	~		67	<	
68	<		69	<	
70		~	71	~	
72			73		

ADD

Prueba

16:00 20 km Female/Femenino (170-229)

Refrescar

10

Segundo

PitLane

Juez Nº 1

Juez Nº 2

Juez Nº 3

Juez Nº 4

Juez Nº 5

Juez Nº 6

Juez Nº 7

Juez Nº 8

Juez Nº 9

Dorsal	PA	PA	TR	PA	PA	TR	PA	PA	TR	PA	PA	TR	PA	PA	TR	PA	PA	TR	PA	PA	TR	PA	PA	TR	PA	PA	TR	Desca	PitLine
176																													
186																													
178																												17:26	17:25
205																													
184																													
181																													
213																													
198																													
209																													
217																													
201																													
193																													
208																													
174																													
191																													
192																													17:00
173																													
220																													
177																													
170																													
182																													
203																													
212																													
214																													
204																													
211																													

Excel

Ultimas

Paleta Amarilla

Advertencia

3 PA No Descalificado

Descalificado

Generar

Salir



## Overall view

← 16:00 - 20 km Female/F... ↻							
Bib	RC	Disq.	PitLane	Bib	RC	Disq.	PitLane
170	~	<input type="checkbox"/>	<input type="checkbox"/>	177	>	<input type="checkbox"/>	<input type="checkbox"/>
178	~~~~	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	181	>	<input type="checkbox"/>	<input type="checkbox"/>
182	>	<input type="checkbox"/>	<input type="checkbox"/>	192	>>>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
193	>~	<input type="checkbox"/>	<input type="checkbox"/>	201	>	<input type="checkbox"/>	<input type="checkbox"/>
203	>	<input type="checkbox"/>	<input type="checkbox"/>	208	>	<input type="checkbox"/>	<input type="checkbox"/>
209	>	<input type="checkbox"/>	<input type="checkbox"/>	211	>	<input type="checkbox"/>	<input type="checkbox"/>
212	~	<input type="checkbox"/>	<input type="checkbox"/>	213	>	<input type="checkbox"/>	<input type="checkbox"/>
214	~	<input type="checkbox"/>	<input type="checkbox"/>	217	>	<input type="checkbox"/>	<input type="checkbox"/>

Race Walking - Red Cards		
122 ZUREK	>	140 ARSINE ~
106 DRAHOTOVA	~	10 MIZINOV >
119 LEWIS	~	
121 LEHMEYER	~	
146 BOROVSKA	~	
101 SMERDOVA	~	
141 RODEAN	~	
144 BEKMEZ	~	
131 TRAPLETTI	~	
132 VAICIUKEVICI	~	



# Further RW reading....



## *YouTube Video Training*

*<https://www.youtube.com/watch?v=9YR14wPSpRk>*

*Video Training  
Jeff Salvage (USA)*