

A new start procedure without the call of "On your marks!" was adopted for this event, and the new procedure was implemented well. The new procedure also allowed for a cleaner start.

The drone footage gave us a clear view of each athlete's movements and allowed us to spot the athlete swimming under the buoys.

The fact that each group of 10 athletes had different colored swimming caps makes it easier to identify the athlete in the above situations.

This time, the starting grid carpet was laid directly on the sand. Although there was no problem with this in itself, the front of the carpet was covered with sand to protect against the wind, making it difficult to see the edge of the grid.

This is the 7th edition of WTC Miyazaki. I find that in general, the entire event was well organised.

The logistics support was good and there is a big pool of technical officials and volunteers.

In general, everyone knew their role well and the setup was done smoothly. The TOs and volunteers were hardworking and efficient. A situation that I personally encountered was in requesting for additional cover for hole of barricades that was removed (see picture, on bottom left). The next morning, I found four covers in place, with duct tape to hold it securely.

The entire race site was compact and freely accessible to the general public. While there were spectators during the elite races, it was the student, kids and age group races that saw a much bigger crowd. The Transition Area spreads over two carpark spaces with flat and properly paved tarmac surface.

Overall, the race venue is very good, not too far from town, accommodation and amenities, yet provided the required space for the various fields of play, and allowing spectators and the public various means to access the venue.

Safety Matters. Each TO was given a card with a QR code as part of the Emergency Reporting System. In case of an emergency, we just have to scan the QR code, which would bring us to a simple form with map showing our location (to 50m accuracy), a dropdown menu to aid reporting, as well as input our name and contact number. The app is simple and in case of an emergency, provide responders with the required information to provide speedy assistance.

The venue for the race briefing had already been prepared by the LOC, and the team was able to efficiently prepare the athlete packages. The team worked together efficiently to provide support for athletes' jackets, manage the lounge, and coordinate with volunteers to transport luggage to the recovery area.

When the male athletes were checking in, the registration team had finished their preparations and everything was proceeding according to schedule, but the preparations for the transition opening had not been scheduled in time. I remember that the chief and the person in charge of registration went to point out the schedule to them, and their preparations finally started. As a result, the transition opening for the men was delayed significantly, and the athletes had to wait. I think that it was necessary for the registration team and the transition team to share information in advance, but I also personally think that it was necessary for the transition team to share information in advance about how to manage the schedule.

This is a point I also pointed out when I was in charge of registration two years ago, but as the athletes were heading to the swim trial from the athlete lounge, they were going barefoot, so it looked painful to walk on the ground without mats around the athlete lounge. If it is difficult to prepare mats, it is necessary to make an announcement in advance, such as asking athletes to bring disposable slippers with them (some athletes did bring them).

Regarding the athlete lineup, although there were no assignments, many athletes were wearing jackets up until the last minute. Some athletes left their belongings with their coaches, but many left their belongings next to the lineup. The registration team took the initiative in collecting the bags, but I think it would also be necessary to appoint someone as a second person to be in charge of this if it is possible to assign someone.

Some athletes were unaware that their belongings had been moved to the cool-down area after the start and came to the athlete lounge to collect them. A notice should have been posted in the athlete lounge to inform them.

The athlete lounge area and the lounge tent have concrete flooring with exposed gravel, which was painful for athletes walking barefoot. It would be beneficial to lay carpets at least in the walkways.

Transition Set-up for Male Athletes – Transition open for male athletes was delayed. We Registration team had completed check-in on time, but Transition team hadn't prepared yet. As a result, male athletes had to wait for minutes. I think this was to the detriment of athletes.

Collecting Athletes' Jackets in Start Area – Due to climate in November, many athletes were wearing jackets when they lined-up. Some athletes passed jackets to their coaches, while others left their jackets on the spot. Some TOs came and collected jackets voluntarily. I think it's better to assign some TOs for that role as a secondary position.

競技説明会の会場準備は既にLOCにて実施済みであり、選手のパッケージ準備をチーム全員で効率的に準備することができた。アスリートラインナップでの選手の上着預かりサポート、ラウンジの管理、リカバリーエリアへの荷物運びのボランティアさんとの連携もスムーズに実施し、チーム全体で効率的に対応を完了した。

男子アスリートチェックイン時、レジストレーションチームとしては準備が完了し、スケジュール通りに進行していたものの、トランジションオープンについての準備が時間通りに予定されていなかった。チーフやレジストレーション担当がスケジュールを指摘しに行き彼らの準備がようやくスタートしたように記憶している。そのため男子のトランジションオープンが大幅に遅れ、選手を待機させることとなった。レジストチームとトランジションチームの事前の情報連携は必要だったように考えるが、トランジションチームとしてどのようにスケジュール管理するかについても事前の念入りなチーム内共有が必要だった。

2年前にもレジストレーション担当時に指摘したポイントだが、アスリートラウンジから、スイム試泳に向かう段階でアスリートが裸足で現地向かうため、アスリートラウンジ周辺のマットが無いため歩くのが痛そうではあった。マットを準備することが難しい場合には、選手に事前に使い捨てスリッパなどの持参を呼びかけるなど(持参している選手もいた)事前アナウンスが求められる。

選手ラインナップ対応について、アサインはなかったものの、直前まで上着を着る選手が多かった。コーチが来ている場合には預ける選手もいたが、多くの選手はラインナップ横に荷物を放置していた状況。レジストチームにて率先して荷物回収に行ったが、アサインできるならばセカンドアサインとして任命しておく必要もあると考える。

When I was watching the swim competition, I was focused on unsportsmanlike conduct. I saw one athlete float near the buoys but didn't think much of it at the time because it was behavior I hadn't expected. After thinking about it later, as the Technical Delegate (TD) pointed out, there were no lifeguards stationed at the buoys to stop athletes from cutting the course.

The lifeguard placement had been shown at the Marine Plan briefing held by the JTU before the event, but from the Triathlon Live footage, it was clear that neither the men's nor women's buoys had lifeguards nearby. Fortunately, no athletes took shortcuts.

To double-check, we reviewed footage from last year (2023), when the waves were calm, and from two years ago (2022), when the waves were stronger. We found that only the first buoy had a lifeguard in 2022.

After the competition, we spoke with the lifeguard leader, who explained that lifeguards couldn't be stationed at the buoys due to the wave conditions. If the waves had been strong enough to move the buoys, as they were in 2022, this would be something to reconsider. However, as the TD pointed out, this approach seems correct, and we'd like to refer this issue to the JTU for further review.

TD introduced an app for measuring the swim course, but unfortunately, it only measures the distance between two points. It was difficult to use the app on the boat, which was rocking with the waves, and the app itself was not very user-friendly—it kept switching to a commercial screen unexpectedly.

Instead, I would like to suggest using a drone to check the buoy positions. Since we already have the pre-measured latitude and longitude information, the drone can fly over the buoy locations to compare the actual positions from the air. This would allow us to confirm if the buoys are correctly placed.

If I have the opportunity to oversee the swim course again, I would like to work with the Chief Technology Officer (CTO) to verify the buoy positions and the course distance.

Additionally, the starting point for measurement should be from the center of the alignment grid carpet, not from the water's edge, as outlined in the marine plan.

When the music finishes and the athletes line up at the start, since the rule change it seems to be the custom for them to enter into boxes with their numbers written on them, so from the video recording position it is difficult to see which athletes have started the race in violation. It looks better when the athletes are lined up so their numbers are visible.

There was some confusion among the TOs as to whether to go left or right of the pink swim-up buoy, and we were unable to give a completely unified explanation to the athletes. (Since everyone went left of the buoy, uniformity was ultimately ensured.)

It would be better to include the buoy in the marine plan.

Start	The leading edge of the start grid was unclear due to the sand, so I think it was difficult to tell if the feet were out, which is a key point that needs improvement.
Start	I think the use of carpet at the start, which takes into account the change in the buoy position, was a success. I was in charge of the swim last year, but the angle to the first buoy was not appropriate. The sea situation is changing every moment, and I thought it was prudent to take these measures to prepare for sudden changes in the buoy position.
CRO	I tried set up iPad but iPad stand weren't the right size.

スポーツマンシップに反する行為を意識してスイム競技を見ていたため、ブイ付近で浮き上がった選手がいたことに気が付いたが、予想もしていなかった行動だったため、問題視せずにはいた。

反省点は、TDの指摘の通り、いずれのブイにも選手のショートカット防止にブイにライフガードが付いていなかったこと。

事前のマリンプラン説明会（JTU主催）でもライフガードの配置を図示していたが、トライアスロンライブの映像からも女子男子どちらも張り付いていない状況だった。幸いなことにショートカットした選手はいなかった。

念のため、波がとても穏やかだった昨年大会（2023年）、波のうねりが今年以上に強かった2年前（2022年）の映像を改めて確認したところ、第1ブイにのみ付いていた。

大会後にライフガードリーダーに確認したところ、波の状況を理由に「張り付かせていない」説明であった。

2年前（2022年）のブイが動くほどの波の状況であれば考えものだが、TD指摘通りであり、JTUにも本事項を申し送りたい。

スイムコースの計測用にTDからアプリの紹介があったが、あいにく2点間のみの距離測定のものだった。そして波で揺れるボート上での操作は難しく、アプリ自体も突然コマーシャル画面に切り替わるなど使い勝手は良くなかった。逆に提案したいのが、ドローンを使った設営状況確認はどうだろう。事前に測定した緯度経度情報が分かっているのだから、これをドローンにセットして飛ばせば、実際のブイ設置位置との差異を上空から「映像」で確認できる。もし、再び、スイムポジションを担当する機会があれば、チーフテクノロジーと連携してブイ位置の確認、そしてコース距離について確認してみたい。

測定する始点はマリンプランに従って、水際ではなく、整列グリッドカーペットの中心部から測量としたい。

Missed task: one thing we missed during the transition process. Regarding the removal of female athletes' bikes, transition TOs should have carefully researched the camera position. I watched YouTube and reflected on it. TOs were shown many times during the male athletes' competition.

How can we avoid being seen on TV camera?

While competition, especially between Women's and Men's race, we had to remove women's gear and their bikes quickly to the outside of the transition area. The main purpose was how to manage the Men's check-in procedure smoothly. In addition, registration team requested us to open transition area early but we didn't have enough time to do so. That's why some of our TOs might be seen on TV. If it's possible, we hope to give a plenty of time to do so

How to decide and inform the violation to the penalty box effectively?

We found one violation at Mount line. We discussed with HR whether to give athlete a penalty or not.

Due to the sprint race, we needed to decide instantly, but it took a while.

Eventually, it went well. So we will be requested to make a decision more quickly in case of speed race.

Please see photos below. Some athletes modified their Bike Sticker like these photos.

Since these Stickers retained their numbers and World TRI mark, HR determined these athletes did not deserved to penalty. However, in my opinion, it is necessary to clearly indicate in the rules that bike stickers can be tampered with.



2 athletes almost made a wrong turn on bike course.
(Measures are required?)

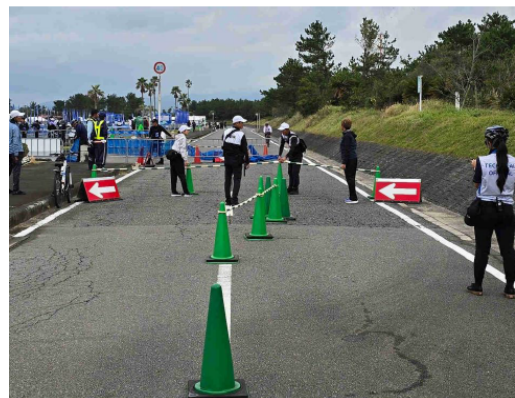
The final measurement was as such:

Each lap (2390 + 34.5 + 34.5) – 2459m

Two laps – 4918m

Add 82m, total run course is 5km.

The run course was well marked out (green cones with rods and red/white directional arrow boards). This adds to allowing the athletes a very fast run. The entire run course was wide, ranging from 3 to 4m. At a few points, it narrows down to 2m or so, but this was not observed to be an issue.



I regret that we should have prioritized clearing the area by quickly removing the female athletes who collapsed during the women's finish from the finish area.

During the women's race, there were no volunteers or TOs in the recovery area, and there was a time when it seemed unlikely that the timing bands would be collected, but Kiriyo-san responded and we were able to avoid any problems.

Next year, I would like to think about how to allocate personnel there.

During the women's race, both the registration TOs and volunteers were busy dealing with the next men's race, so we needed to carefully consider the number of personnel. Since there was no next race during the men's race, many registration TOs and volunteers came to help in the recovery area and we were able to handle it without any problems.

Standing position of TO with finish-tape

- I order the construction company (cerespo) the finish line was drawn in front of the statue of the finish gantry because LOC ordered the photo company of torso judgement which they set up the finish gantry.

- Finally, we decided the standing point was in front of the finish line. TD, aTD advised us that we did not worry TO in the photo.

- By the way, we were instructed that finish-tape TO must not in the photo by the TD of the Asia Triathlon Cup Osaka 2024. I understood that it was different about standing position of finish tape TO by the each TD.

We had heard there were no volunteers at the finish area on Saturday. On Sunday morning, we asked again athlete lounge-volunteers were useful at the finish area and the recovery tent. And they replied it was OK ! We explained them at the recovery tent for our works. We want to request LOC the mention of the volunteer's second position.

T02 名の立ち位置は最終的にフィニッシュラインの手前で、カメラに映ってしまふことは構わないという助言を aTD、TD から頂いた。因みに、フィニッシュテープの立ち位置は、大阪城大会の経験から TD や JTU によって意見が異なることが分かった。

今回のフィニッシュエリアのボランティアが明確に問合せたがいないという回

答だったので、再度確認したところ、アスリートラウンジの荷物をリカバリーテントに運ぶボランティアが兼務するという事が分かり、女子の分が運ばれてきた時点で説明することができた。ボランティアの兼務は分かるように周知して頂きたい。（セカンドポジションの明示）

AS1

Setting up the AS1 was over the day before the race day. Almost all the volunteers were experienced at the Aid Station duty, so everything went quite smoothly.

Only 2 boxes of water bottles (48) were used due to the relatively cool weather conditions and the sprint distance race format.

AS2

The volunteers worked good and the operation was very smooth.

There was enough water.

It's getting better every time, so there's nothing particularly bad about it.



There was no trash can at Aid 1 and no Area Start/End signs. There were not enough trash cans until the end of the age, but we were able to make do by using trash bags. Cerespo only had two sets of Area Start/End signs, so we asked them to create them on A3 laminated paper. We created the signs by attaching these to the cones.

Tents were set up at the corners of the running course. It seemed like the visibility of the course was not very good for the runners. It also seemed a little difficult to get water as you had to turn a corner. Since it didn't rain this time, water was provided about 3m downstream on the running course from the tent location. (The photo shows the age race. Volunteers provided water at this location for the elite runners.) Next year, we think that by moving the tents to the straight sections where water was provided, rather than the corners, we will be able to operate aid stations with better visibility.

Aid3 also doubles as an aid station for the swim-up, but in its current location it does not allow the required 100m distance to the Area End. This is because it is the junction of the run course and bike course, and is part of the blue carpet that leads into the transition. If we try to extend the Area, there is a risk that slippery items such as energy gels will be dumped on the bike course, which could increase the risk of the men's bikes, who start later this time, slipping. As a remedy, we think that placing Aid3 in the gazebo at the swim-in will solve the problem. This is on the run course, has good visibility, and can also be used as an aid station for the swim-up, so we propose to utilize this place.

1) Aid1 のゴミ箱と、Area Start/End のサインがなかった。ゴミ箱はエイジの最後まで足りなかったが、ゴミ袋を活用することで対応できた。Area Start/End のサインは、もともとセレスポで2セットしか保持しておらず、A3 ラミネートでセレスポに作成していただいた。これをコーンに貼ることでサインを作成した。

ランコースのコーナー部分にテントが建てられていた。選手からコースの視認性があまり良くないように思えた。また、コーナーを曲がって水を取ることから若広取りづらいように感じる。今回は雨が降らなかったため、テント位置からランコースとして3m ほど下流になる位置で水の提供を行ってもらった。（写真はエイジレース。エリートはこの位置でボランティアから提供された。）次年度は、テントをコーナーではなく、水を提供した直線部分にずらしてもらうことで視認性の良いエイド運営ができると考える。

Aid3 はスイムアップのエイドも兼ねているが、現在の位置だとArea End までの距離として規定の100m が取れない。理由は、ランコースとバイクコースとの接点であり、トランジションに入るブルーカーペットになる部分であるためだからである。Area を伸ばそうとすると、バイクコース上にエネルギーゲルなど滑りやすいものが捨てられる可能性があり、例えば今回は後にスタートする男子で自転車滑るリスクが高まる。改善策としては、スイムインのところに東屋部分にAid3 を配置することで解決すると考える。ここは、ランコース上であり、見通しもよく、スイムアップのエイドにも使用できる場所であることから、ここを活用することを提案する。



	Video Review: Chief Tech was responsible for the swim-part at the WTC Miyazaki Event [Objective]: Identify possible violations conducted by athletes during the swim and report to HR with (short video footage). [Operation]: Coordinate with the drone operators and let them know which areas on the course are important for filming during the swim part.
Technology	[Key areas to focus on while shooting video]: (1) the first pack of swimmers leading to the first buoy around the first buoy (for the first 10-20 athletes), (3) move on to the second buoy, and the third (buoy around the buoy). [System]: live video from a drone directly fed into the WTLC system for broadcasting. There was no coordinator to work with Chief Tech in case a violation was observed. So, receiving a short clip for on the spot was not possible. Chief Tech used his iPhone for recording.
Technology	French athlete (#2) popped up after the turn of the first buoy suggesting the swimmer went under the (10 sec penalty was given by HR)
Bike check	The Elite men bike check time is 9:15 a.m. At this time, the auxiliary bike check Assistant C/O cannot be done because it is in the bike course. Next time, you need to do the auxiliary bike check C/O in the time control or other parts.
Wheel Station	The location of the wheel station (Team) has changed this time, but at the current location, athletes who get a flat tire will have to go through a large bump just before the transition, so I think it would be better to have it near the turnaround point, as was the case last time.
Penalty Box	- ペナルティBoxにテントを設置があると良い。大会によりテントの有無があるが、テントがある方が大会運営上好ましいと考えます。 200先ペナルティボックスのサイネージはあるが、ペナルティボックス地点のサイネージがあった方が選手も視認しやすいと思います。 - ボランティアの方がエリートでは来られず、エイジのみ来られた。今回は特に混雑することはなかったが、混雑する場合を考え、1名サポートいただけるとスムーズな運営につながると思います。

