



BULLETIN 4: INFO & TECHNICAL

INFO

COMPETITOR & CREW COMMUNICATION

- All competitor communication will be through 2 mediums: Email & Whatsapp
 - o Email & Whatsapp until the Start of KR19
 - o **ONLY** Whatsapp during KR19
- During KR19, it is **Mandatory** for Competitors & Service Crews to have Whatsapp, and be on the **Official KR19 Orga Whatsapp Group**.
- The **Official KR19 Orga Group** will be the **ONLY OFFICIAL** form of Communication/Notices to competitors and Crews.
- The **Official KR19 Orga Group** will be a **one-way group** where **ONLY** Orga will be able to post.
- **ONLY** Registered Competitors & Crews are allowed on the Official Group.

KR19 Supporters & Family WHATSAPP GROUP

- A separate Whatsapp Group will be started for Families & Supporters.
- The Supporters Group will be a **one-way group** where **ONLY** Orga will post live updates and notices to keep families & friends up to date and informed about KR19 competitors.

ACCOMMODATION/HOTELS

- Hotels and Bed & Breakfast options will be posted on the website in the next week.
- KR Orga will send a Watsap notice when options are posted on the website.
- Camping is included in the entry fee.
- B&B or Hotel is for competitor's own cost, unless it was pre-ordered with a package.

COMPETITOR/CREW T-SHIRTS

- If you have not added T-Shirt sizes on your website forms for Competitors or Crews, please complete this part on the website and re-submit the form/s by the **16 August 2019** **(Please don't send or Whatsapp sizes)**.
- Should we not receive these sizes by **16 Aug 2019**, a standard size will be allocated, with no exchange possible.
- Extra T-Shirts required must also be added to your form: Extra T-Shirts - R200/T-shirt

TECHNICAL

KR19 TECHNICAL, NAVIGATION & SAFETY TRACKING REQUIREMENTS

- PLEASE MAKE SURE YOU HAVE READ & UNDERSTOOD THE TECHNICAL AND NAVIGATION REQUIREMENTS FOR KR19 POSTED ON THE WEBSITE!
- ALSO ENSURE YOU HAVE READ THE TRACKING & SAFETY SYSTEM REQUIREMENTS ON THE WEBSITE!

2-WAY RADIOS - AUTO/SXS ONLY

- All Auto/SXS **MUST** connect a standard 2-Way radio into the Driver/Navigator intercom system.
- This will allow a car, to radio another car that's ahead and in eye-sight view, to request a passing opportunity.

- You can either use your own 2-Way radio with the same frequency range as Orga Radios (See attached chart below), or, you can use an Orga Radio at no charge.
- Should you want to use an Orga Radio, you will need a plug to connect the Orga Radio to the car's intercom system (*See attached below of the plug to connect to Orga Radio*)
- Orga uses ZARTEK 708 Radios
- Connect your car's intercom to the Orga Radio with connector plug shown below in the picture.
- Should you want to use the Orga Radio, this must be ordered by the end 16th August 2019

CAP REPEATERS - AUTO/SXS/MOTO/ATV

- KR19 does not use the ERFT system, therefore it is highly recommended that you have a Cap Repeater mounted in your car, preferably mounted in front of the driver, to maintain with ease the Cap Heading when in a situation for example: "HP CMoy 120degrees"
- You can however use a Garmin GPS for your Cap Headings, but the digits may be too small, and, if fitted in front of the Navigator will make it very difficult to keep the driver on the correct Cap Heading. (*Choice is yours ☺*)

GPS MODELS ALLOWED

- For KR19 Only Garmin GPS's will be allowed for Competitors and Service Crews.
- Any Garmin GPS models are allowed.
- Service Crew GPS MUST be a model where streets and roads can be viewed.

WPE DOWNLOADS

- Due to the Safety feedback from KR18 competitors, WPE's points will be uploaded daily onto all competitor GPS's every day at the end of the Stage, after collecting the next Stage Roadbook.
- It remains the competitor's responsibility to make sure GPS Co-ordinates are correct.
- WPE GPS points daily-upload is not mandatory, it's only to assist competitors especially when arriving late at bivouac. (*Choice is yours ☺*)

SERVICE CREW POINTS & ROUTES

- KR18 revealed issues around service crews not finding the Bivouacs or Service Points because of Crews not loading the GPS points into their GPS's before the rally, resulting in Rally Control/Orga spending a lot of time on the phone trying to give directions. Due to this, Orga will again email all Service Crew GPS Points before the KR19.
- It is mandatory to present the Service Crew GPS at Technical Inspection with points loaded.
- However, should you not be able to pre-load the Service Crew Points onto your GPS, Orga will assist to load the points at Technical Inspection when you present your GPS for verification of Service Crew points & Routes.
- If you do need upload assistance of Service Crew points at Technical Inspection, you must bring your GPS cable as a backup.

COMPETITOR RACE NUMBERS & DECALS

- Competitor Race numbers will be issued next week.
- We realise some of you may have already sent or requested certain numbers, however, we ask that you please re-send us your preferred race numbers via a Whatsapp.
- If you require the Official KR19 Artwork to print your own graphics kits or race jackets, please send us an email.
- No Changes may be made to the size or design of the KR19 Race numbers.

ZARTEK SPECS & ATTACHEMENT EXAMPLES

**Orga uses ZARTEK 708 Radios, the connector measurement for Zartek 708:
ICOM "I1" CONNECTOR: Two jack plug, one 3.5mm the other 2.5mm,
centre to centre: 10.5mm**

Default Channel Programming

Channel	Frequency	Tone*	Channel	Frequency	Tone*
1	1	10	9	1	OFF
2	2	10	10	2	OFF
3	3	10	11	3	OFF
4	4	10	12	1a	15
5	5	10	13	2a	15
6	6	10	14	3a	15
7	7	10	15	4a	15
8	8	10	16	5a	15

* Tone is used to add privacy. Always match channels exactly when linking to other radios. Different channels and functions can be programmable by PC.

446 MHz BAND

Channel	(MHz)
1	446.00625
2	446.01875
3	446.03125
4	446.04375
5	446.05625
6	446.06825
7	446.08125
8	446.09375

464 MHz BAND

Channel	(MHz)
1a	463.975
2a	464.125
3a	464.175
4a	464.325
5a	464.375

Range: (terrain dependent):

Indoors: 600m-1.2km
Outdoors: 2-6km
Elevated line-of-sight: 10-30km

Compatible to all license-free radios

446 MHz (8 Freq.) & 464 MHz (5 Freq.):

Zartek ZA-758, ZA-705, ZA-708, COM8 & Pro8 Radio (446 MHz)

Zartek Pro5 & ZA-200 Radio (Model# 21-1860AF) (464 MHz)

Upgradeable: 4W power on UHF band 400-470MHz (license req.)



ICOM "I1" Connector

Two jack plugs, one 3.5mm the other 2.5mm, centres 10.5mm apart.

Used on ICOM radios.