



## Connectivity meeting #9 UAS Coordination Technical Working Group

17 November 2021

### Tour de table

Organization	Contact
WHO	Kamal AIT-IKHLEF
IOM	Sebastian ANCAVIL
WFP	Angel BUITRAGO
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Frontwire	Caitlin Howarth
Politecnico di Torino	Filiberto Chiabrando
AIRT	Christopher Todd
WFP	Christos PANAYI
GlobalMedic	Daniel Cyr
Travalia	Daniele Travaglia
WFP	Dubem UMEASIEGBU
WFP	Elizabeth BOURKE
WFP	Fabien BONNASSIE
Worldbank	Giuseppe Molinaro
GlobalMedic	Rahul Singh
Nottingham University	Gregor Engelmann
WFP	Hugo DUPLESSIS
WHO	Louis ILUNGA KALUBI
WFP	Irshad KHAN
WFP	JeanClaudeAtassa LAOUWAYI
Red Cross	Daniel Joseph
WFP	Kerry DALIP
Elistair	Kevin Laurent
Ericsson Response	Lars Peder Svensson

<b>WFP</b>	Luca ZANUTEL
<b>WFP</b>	Martin KRISTENSSON
<b>WFP</b>	Matthias BOYEN
	Melanie Mason
<b>WFP</b>	Mighty TLADI
<b>WFP</b>	Oleg ALEKSANDROV
<b>WFP</b>	Omar NAMAOU
<b>WFP</b>	Patrick MCKAY
<b>Clogworks</b>	Peter Opdam
<b>University of Portsmouth</b>	Richard Teeuw
<b>University of Portsmouth</b>	Toby Meredith
<b>ICRC</b>	Victorien Hanche

*Opening remarks by Patrick welcoming everyone to ninth session of the Connectivity group*

A few minutes were given to introduce new members to the group followed by a presentation by HAPS Alliance.

*Deep Drive R2C2: The Rapid Response Connectivity Carrier*

The main item for the meeting was a presentation of the first test of R2C2 (Rapid Response Connectivity Carrier) which took place in France in October 2021. This was a joint presentation by Elizabeth Bourke, the UAS project manager from WFP, Lars Peder Svennson, the technical expert from Ericsson Response, Peter Opdam, the CEO of Clogworks, Kevin Laurent from Elistair, and Patrick McKay the UAS Data Ops Manager at WFP.

The presentation included a summary of the workings of the weeks testing. There were also technical details shared about the drone, radio payload, tether station and a summary of our findings. The key figures were that the radio payload was able to send a WiFi signal over 1km from the drone when lifted to 95 meters. An additional backhaul link was connected to a point on a hillside over 7km away. The drone itself is capable of flying 24 hours a day due to the continuous power of the tether station. It was mentioned that the connection from 1km away exceeded the requirement for text messaging, as it was sufficient to allow web browsing and email as well.

A number of questions were answered and the final discussion was on the next steps for the project, which include a test at WFP HQ and a final field test.

For more details, please follow the recording. You will also find the presentation in the meeting folder.