

PRESS RELEASE

At MWC, in collaboration with Ericsson, Idronia, and Samsung

TELEFÓNICA PRESENTS AN INNOVATIVE WAY TO BROADCAST AND PRODUCE TELEVISION WITH 5G

- **It relies on the 5G capabilities of low latency, edge computing and high bandwidth of Ericsson's network solution.**
- **It allows to immediately cover breaking news with professional quality.**

Madrid, 27 February 2019.- Telefónica presented today at the Mobile World Congress an innovative way of broadcasting and producing television with 5G that allows professional news coverage of any event in real time and with high quality video.

This TV solution, which relies on the 5G capacities of low latency, edge computing, and high bandwidth is based on professional television cameras connected to the 5G network that send high quality video. In addition, the 5G mobile network has production software installed at the edge, very close to where the cameras are, receiving their images almost immediately with very low latency. In this way, the TV producer can remotely manage the different inputs while connected to a fibre optic link and generate a video signal ready to be launched to any TV program, such as the news.

Producing TV via 5G generates greater efficiencies for broadcasters as they can cover a large number of events without having to send mobile units. It also facilitates immediacy in the coverage of breaking news because the reporter only needs to take a TV camera connected by 5G to any location while the producer can remotely access that signal in real time, produce it, and generate a video signal for a news program.

Ericsson has provided the network equipment, including 5G radio equipment, as well as the Edge and necessary network core, with the latency and high bandwidth capabilities needed for these types of solutions. The technical production solution has been completely designed by the Madrid company Idronia Multimedia Solutions, and the mobile devices used for the 5G connectivity are latest generation Samsung 5G smartphones; specifically, Samsung Galaxy S10 5G.

As indicated by Juan Cambeiro, Head of the Telefónica España Innovation Project, "nowadays, high level media coverage is something reserved only for large events or competitions due to the cost and complexity of the infrastructure that it requires. This TV5G rebroadcasting and production solution allows to have professional media coverage for even very local contents. In fact, we could talk about a democratisation of professional television coverage because it allows to broadcast very local content using less resources than ever before".

For more press information:

Telefónica

External Communications Directorate

prensatelefonica@telefonica.com

+34 91482 38 00