

NAV CANADA CHOOSES ROHDE & SCHWARZ HF SYSTEMS FOR LONG-RANGE COMMUNICATIONS

Rohde & Schwarz HF radios will support North Atlantic air navigation service with NAV CANADA to receive 17 Rohde & Schwarz 4kW HF transmitter systems, enabling NAV CANADA HF communications for the next decades

München/Ottawa, 18. July 2019 - NAV CANADA provides air traffic control (ATC) and related services for Canadian domestic and international airspace, and uses long haul, beyond-the-horizon communications to aircraft flying in northern Canada and flights to and from Europe over the North Atlantic Ocean. International flights use HF bands routinely for voice communications, since HF covers much larger distances. NAV CANADA is investing in a large the HF radio facility in Gander, Newfoundland that is in need of an upgrade.

NAV CANADA, after an extensive supplier evaluation, awarded Rohde & Schwarz a contract to supply 17 HF transmitter systems, each with an output power of four kilowatts (kW) for voice communications in its North Atlantic region. Deliveries will take place 2019 to 2020 and be operational that same year.

“We currently support NAV CANADA with radio communications systems as well as with several test and measurement solutions. In parallel, we will be jointly exploring other areas of mutual interest including radio direction finding, counter-drone and other related ATC solutions,” Constantin von Reden, Vice President Market Segment ATC at Rohde & Schwarz, said.

The HF system being introduced is part of the R&S M3SR Series 4100 software defined radio (SDR) family, specifically the R&S SXK4100 SDRs. It is also equipped with the new ED137 IP interface. These radios follow the requirements of the international standard EUROCAE ED137 for Voice-over-IP (VoIP) Air Traffic Management (ATM) applications. These transmitters will support NAV CANADA HF communications for decades.



Image Caption: Rohde & Schwarz provides air navigation service providers and authorities in the field of air traffic control, as well as more than 200 airports in 80 countries, not only with high-performance products but also with comprehensive solutions for ground-ground and ground-air communications. In so doing, Rohde & Schwarz makes a critical contribution to safety and security in global flight operations. (Photo: Rohde & Schwarz)

Press contacts:

Europe (headquarters): Dennis-P. Merklingshaus (phone: +49 89 4129 15671; email: press@rohde-schwarz.com)

North America: Pam Sanders (phone: +1 410 910 7908; email: pam.sanders@rsa.rohde-schwarz.com)

Asia Pacific: Wen Shi Tong (phone: +65 6 307-0029; email: press.apac@rohde-schwarz.com)

Contacts for readers:

Customer Support Europe, Africa, Middle East: +49 89 4129 12345
customersupport@rohde-schwarz.com

Customer Support North America: +1 888 TEST RSA (+1 888 837 87 72)
customer.support@rsa.rohde-schwarz.com

Customer Support Latin America: +1 410 910 79 88
customersupport.la@rohde-schwarz.com

Customer Support Asia Pacific: +65 65 13 04 88
customersupport.asia@rohde-schwarz.com

Customer Support China: +86 800 810 8228 or +86 400 650 5896
customersupport.china@rohde-schwarz.com

Rohde & Schwarz

The Rohde & Schwarz technology group develops, produces and markets innovative communications, information and security products for professional users. The group's test and measurement, broadcast and media, aerospace | defense | security, networks and cybersecurity business fields address many different industry and government-sector market segments. On June 30, 2018, Rohde & Schwarz had approximately 11,500 employees. The independent group achieved a net revenue of approximately EUR 2 billion in the 2017/2018 fiscal year (July to June). The company has its headquarters in Munich, Germany. Internationally, it has subsidiaries in more than 70 countries, with regional hubs in Asia and America.

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