RFS Wireless System Enabled Record Breaking 3G and 4G Traffic Volume at Final World Cup Match

Advanced multi-operator indoor network delivered 1.5 terabytes of fan-generated data traffic

São Paulo, July 17, 2014 – Fans at the final match of the 2014 FIFA World Cup at Maracanã Stadium in Brazil had no trouble sharing the drama on the field and the experience in the stands with friends and family over the advanced, wireless, multi-operator Distributed Antenna System (DAS) solution provided by Radio Frequency Systems (RFS), the global wireless and broadcast infrastructure specialist.

Reports released by Sinditelebrasil and the Brazilian Ministry of Communications show that the multi-technology wireless network infrastructure provided by RFS supported a data traffic volume of 1.5 Terabytes at final match, which is equivalent to 2.6 million photos with an average size of 0.55 MB. This is an increase of 62 percent over the previous record of traffic volume in the stadium. Using cell phones, smartphones and tablets, the 74,000 fans inside the stadium generated this traffic over a seven hour period (three hours before the match, two during the game between Germany and Argentina, and two afterwards). During that same time fans also generated 618.725 *tweets* per minute (TPM) and 280 million posts on Facebook, which reported posting of 3 billion messages about the World Cup, breaking all previous records for special events.

“With these results, RFS steps forward in its leadership supporting large events in any country”, said Marcos Wrobel, RFS Commercial Director, Latin America. “The RFS wireless indoor coverage system simultaneously supported 2G, 3G, 4G and iDEN technologies in a network designed for Brazilian operators, and the generated data volume was huge. In this era of social networks, RFS enabled fans to make calls, post their photos or tweet their comments. We are happy with the performance of the networks RFS implemented at the Maracana, Mineirão, Arena das Dunas and Arena Pantanal stadiums. We met our goal to guarantee mobile communications to fans and the press at the games for multiple connections and multiple devices.”

The sophisticated Distributed Antenna System (DAS) solution in the Maracanã is built with state-of-the-art indoor wireless network products manufactured at the RFS plant in Brazil, including RF coaxial cables, the revolutionary HYBRIFLEX™ hybrid cable, indoor and outdoor antennas, and accessories. It also includes optical and RF solutions from Axell Wireless, an RFS business partner in Brazil. The complete network was designed to simultaneously transmit 2G, 3G, 4G (LTE) and iDEN technologies to support five Brazilian operators with coverage in all public areas at all times.

See the traffic figures in the infographic for more detail about the traffic volume supported by the RFS network during the final match of the 2014 FIFA World Cup.

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About RFS

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, plus active and passive RF conditioning modules, providing total-package solutions for wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors. As an ISO compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is a leader in wireless infrastructure.

For more information: www.rfsworld.com. Follow RFS on Twitter (www.twitter.com/RFSworld).

RFS Press Contact
Responsible Latin America
Pilar Lopes, Marketing Communications Manager, Radio Frequency Systems
Phone: +55 11 4785 6069
E-mail: pilar.lopes@rfsworld.com