



Case Study

MOTOTRBO™ Capacity Plus system delivers robust voice communications for the NFL International Series in Madrid

WBL Services

WBL Services, based in Seattle, Washington, USA, specialises in technology solutions for sports stadiums, large venues and events. WBL Services provides long-term support for major sporting events, including the Super Bowl and NFL Draft. Since 2007, WBL Services has also supported the NFL International Series in bringing American football to a global audience. WBL Services has deployed temporary systems for NFL games at stadiums in the UK, Germany, Ireland, Mexico and Brazil. More recently, WBL Services installed a MOTOTRBO multi-site Capacity Plus system at the Santiago Bernabéu Stadium in Spain, home to Real Madrid, for the match between the Miami Dolphins and the Washington Commanders on 16th November 2025.



Customer

- NFL (National Football League) International Series
- WBL Services, Inc.

Partner

Expocom S.A.

Industry

Sporting events

Solutions

A MOTOTRBO Capacity Plus multi-site system comprising:

- 12 x SLR 5500 repeaters (2 sites, 6 repeaters per site)
- 400 x MOTOTRBO R7 radios (no keypad, NKP)
- 25 x MOTOTRBO R7 radios (full keypad, FKP) for operations and control centre
- 25 x MOTOTRBO DP4801e radios
- 65 x MOTOTRBO spare radios (30 x R7 NKP, 20 x DP4800 and 15 x DP2400)
- Accessories including noise-cancelling headsets, IMPRES™ earpieces, multi-unit chargers and extra batteries

Challenge

The NFL International Series prefers to deploy its own technology solutions at stadiums hosting its games, rather than rely on existing systems. Therefore, when it announced that it would host a regular-season game at the Bernabéu Stadium in Madrid as part of a multiyear deal with the stadium, WBL Services started its search for proficient local partners. WBL Services wanted operations for this international game to run as smoothly as those at the usual home stadium games in the USA. It needed high-performance solutions delivered in short turnarounds. A critical part of these solutions was the radio communications system. The key requirements were robust coverage throughout the stadium and in surrounding areas, such as the parking lots, and a highly available, reliable system for five days around match day. Given the number of users, it also needed a system and radios that could support over 34 separate work groups..

WBL Services' frequency coordination group recommended Expocom, a long-term partner of Motorola Solutions in Spain. Expocom has extensive experience in providing radio communications, security and technology solutions for high-profile events and a significant track record in motor racing, including Formula One (F1). Following a series of conversations, meetings and site surveys at Bernabéu, WBL Services was satisfied with Expocom's proposal.

Solution

Expocom organised the necessary temporary radio frequency licences and ensured the availability of all the requested radios, accessories and infrastructure. Then, on the Tuesday before the game, Expocom deployed twelve SLR 5500 repeaters, six at each site in the stadium. Some of these were connected using Real Madrid's existing copper-to-fibre converters to extend coverage

into the stadium's three underground levels. The repeaters delivered blanket coverage across the stadium and the necessary areas outside the stadium. This included the parking area, as some staff were positioned in this zone during the game and needed to be able to move between this zone and the stadium without needing to change channels. Capacity Plus enabled this. The system went live at midday on Wednesday and was heavily utilised until switch-off on the following Monday morning.

The system was used by all the NFL International Series contractors, such as facilities, security, VIP, gates, housekeeping, catering, transport and control room, as well as the local police and fire services. Teams and support staff were also provided with radios, which were used in direct radio-to-radio (simplex) mode while promoting the series at various venues in Madrid. All communications were group communications, and Expocom set up 43 talk groups in total, 34 on the Capacity Plus system and 9 on simplex.

Users were equipped predominantly with MOTOTRBO R7 radios, as these allow easy access to multiple channels, which was an important factor for WBL Services to support the large number of users and simultaneous conversations, especially on match day. Most communications were supported by the first four or five SLR 5500 repeaters, with the sixth being available in case of an emergency or a sudden surge in calls. To ensure a smooth rollout, the Expocom team walked users through MOTOTRBO radio operations during device pickup, covering channel selection, talk groups and accessory usage, and provided handy reference cards for ongoing support. Three control room radios had the all call feature enabled to allow immediate communication with all radio users in the case of emergency, although this was not required.



We provide a wide array of technology, telecommunications, and infrastructure solutions for stadiums and major sporting events. We have been working with the NFL International Series since its inception. Last year was the first time a game was played in Spain, and it was suggested we contact Expocom.

Expocom's knowledge of local rules and regulations was invaluable. Their team delivered a robust, reliable MOTOTRBO radio communications system at the Bernabéu Stadium in Madrid for five days, around the event. The system exceeded our expectations in both coverage and availability. It all went seamlessly, and it was also great to see the local Motorola Solutions representative come along and support Expocom. We will be working with Expocom and Motorola Solutions again this year.

– Bill Lipscomb, CEO, WBL Services



Outcomes

Eduardo Oltra Ortí, CEO at Expocom S.A., comments: "Our team is used to the pressure of installing large deployments in short time frames. The Capacity Plus system performed brilliantly, and I am pleased we have invested in a large fleet of the high-performance MOTOTRBO R7 radios. We always try to exceed customer expectations, and these radios matched WBL Services' needs; they were completely satisfied with our support and the system, especially in terms of coverage, ease of deployment, clear audio and the user-friendly radios."

WBL Services will work with Expocom and Motorola Solutions again this year, when the NFL returns to the Bernabéu, and may look at developing the system to include dispatch software and integrated WAVE PTX™ Push-to-Talk devices. In the meantime, WBL Services is overseeing games at other stadiums. "Hut, hut, hike" in the words of a quarterback.



Benefits

- Expocom managed the rental deployment quickly and efficiently, in short timeframes and offered any support or training needed
- The system delivered robust blanket coverage in and around the stadium
- The radios enabled direct communication for the teams while operating in or navigating around Madrid
- Optimal channel availability at all times, including on the high-demand match day, for clearer, uninterrupted communications
- User feedback was excellent, especially concerning the audio quality, the ease of use and the battery life





To learn more, visit:
www.motorolasolutions.com



Motorola Solutions Ltd., Nova South, 160 Victoria Street, London, SW1E 5LB, United Kingdom

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the stylised M logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under licence. All other trademarks are the property of their respective owners. ©2026 Motorola Solutions Inc. All rights reserved. 03/2026