TERMA RADAR FOR CHARLES DE GAULLE

It was announced from Terma’s HQ in Aarhus, Denmark and simultaneous at Euronaval 2014 taking place at Le Bourget, France, on 27 October that Terma has been contracted by French warship builder DCNS to supply two SCANTER radars of the type 6000 for the French Navy’s aircraft carrier Charles de Gaulle (R91), the largest Western European warship, which was commissioned in 2001.

The main task of the SCANTER radars as part of total radar suite aboard the carrier is to serve as a multi-role sensor system to meet requirements for navigation and tactical surface and air surveillance, search & rescue, and helicopter control.

Terma has previously delivered and installed the SCANTER 6000 in the French Navy’s advanced Offshore Patrol Vessel (OPV) L’Adroit.

The SCANTER 6000 equipment

The SCANTER 6000 is a coherent X-band 2D solid state radar developed by Terma to address market requirements for improved surface and low airspace situational awareness. It has been specifically designed as an affordable all-weather sensor solution to plug the gap between standard marine navigation radars and more expensive military surveillance radar systems.

The radar is said to deliver exceptional resolution through the application of advanced hardware design and intelligent processing. The result is a state-of-the-art radar sensor that overcomes the limitations of previous generation radars so as to reliably detect very small targets in high sea and weather clutter backgrounds.

In addition, the SCANTER 6000 is claimed to be the only radar in its class capable of providing simultaneous small target detection, helicopter guidance, and large and small target detection at close and maximum range. Furthermore, it is claimed to maintain exceptional performance against non-cooperative targets in harsh weather.

Besides L’Adroit, Terma’s SCANTER 6000 naval surveillance radar is installed in the US Navy’s Stiletto vessel and in the Danish Navy’s frigate Iver Huitfeldt. It is also supplied to the navies of Germany and UAE and for new OPV and update programmes.

For the French Fregate Europeenne Multi-Missions (FREMM) programme, Terma was selected in 2007 as supplier of the SCANTER 2001 for the initial
seven vessels of the FREMM programme. A follow-on contract was signed in July 2012 for the next four vessels.