



Hallbergmoos, 20<sup>th</sup> July 2010

## **Eurofighter and Euroradar to develop latest generation AESA Radar**

**An innovative cutting edge AESA radar system, reconfirms Eurofighter as the most advanced aircraft available on the market.**

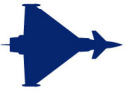
Eurofighter GmbH and Euroradar, together with their industrial partners, have begun full scale development of a latest generation Active Electronically Scanned Array (AESA) radar. The target in-service date for the new radar is 2015 to meet the requirements of Eurofighter Partner Nations and export customers.

Eurofighter CEO Enzo Casolini said of the decision "This is an important step in the Eurofighter programme and will ensure that Typhoon continues to lead the way as the world's best new generation multi-role combat aircraft. In consultation with our Core Nation customers we can offer an AESA capability that far exceeds any other radar available. This capability will mean that Eurofighter is in the best possible position when offering Typhoon to the export market. The in-service date means we are perfectly positioned to respond to the complex and demanding requirements of the air forces."

The decision means that Eurofighter will further develop the capability of the Typhoon aircraft to enhance its radar performance, building on preliminary development and flight testing undertaken since 2007. Although the current Mechanically Scanned (M-Scan) radar is considered to be best in class, AESA technology will see the Typhoon's radar capabilities developed even further. The planned AESA radar will offer a variety of benefits over M-Scan, including increased detection and tracking ranges, advanced air-to-surface capability and enhanced electronic protection measures.

The new radar will retain the key features of the existing Captor radar architecture in order to exploit the maturity of the current system and will use latest generation technology to provide a full complement of air-to-air and air-to-surface modes. The large array can be accommodated easily in the Typhoon's radome and, being fitted on a repositioner, will provide an extremely wide field of regard. This will see Typhoon's combat effectiveness enhanced even further, allowing the Typhoon to outperform any other aircraft available on the market. The radar will offer customers the freedom to retrofit their existing Typhoons when required. The radar will have significant growth potential and both existing and new customers will be able to participate in tailoring the radar to meet their individual operational requirements.

Euroradar is a multi-national consortium lead by SELEX Galileo, a Finmeccanica Company, alongside EADS Defence Electronics and Indra. Euroradar has delivered over 250 Captor mechanically scanned radars into the Typhoon programme to date and this experience will ensure a timely and smooth transition to AESA.



Background information:

Eurofighter Typhoon is the world's most advanced new generation real multi-role/swing-role combat aircraft available on the market and has been ordered by six nations (Germany, Italy, Spain, United Kingdom, Austria and the Kingdom of Saudi Arabia). With 707 aircraft under contract, it is Europe's largest military collaborative programme and delivers leading-edge technology, strengthening Europe's aerospace industry in the global competition. More than 100,000 jobs in 400 companies are secured by the programme. Eurofighter Jagdflugzeug GmbH manages the programme on behalf of the Eurofighter Partner Companies: Alenia Aeronautica/Finmeccanica, BAE Systems, EADS CASA and EADS Deutschland, Europe's foremost aerospace companies with a total turnover of approx. €88 billion (2008).

High Resolution images of the Eurofighter Typhoon can be downloaded from our new website: [www.eurofighter.com/medialibrary](http://www.eurofighter.com/medialibrary)

To keep up to date with Eurofighter, you can sign up to the following media:

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**For more information, contact:**

**Kathryn Holm**

Eurofighter External Communications

Tel: +49 (0)811 80 1587

Mob: +49 (0)172 88 12110

Fax: +49 (0)811 80 1557

Mail: [kathryn.holm@Eurofighter.com](mailto:kathryn.holm@Eurofighter.com)

**Solange Distefano Pozzuoli**

Responsible for Press Office

SELEX Galileo, a Finmeccanica Company

Tel: + 39 06 41883710

Mob: +39 335 7499 374

Mail: [solange.distefanopozzuoli@selexgalileo.com](mailto:solange.distefanopozzuoli@selexgalileo.com)