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Bonus Distribution:



To mark this year's Farnborough International Air Show **EUROPEAN SECURITY & DEFENCE** will publish a special issue dedicated to military operations in the 3<sup>rd</sup> dimension - technologies, platforms, capabilities. The issue will be distributed free of charge to delegations, visitors and exhibitors throughout the entire duration of the air show as well as at subsequent aerospace events of international relevance.

#### Eurofighter TYPHOON Export Update



Apart from the four Eurofighter TYPHOON nations there is Austria, Kuwait, Oman, Qatar, Saudi Arabia. Belgium, Finland, Switzerland and, again, Germany are considering Europe's largest defence materiel programme in the scope of imminent requirements. What does the future market for the TYPHOON look like?

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#### Air-to-Ground Weaponry

Recent conflicts with air power participation underline the increasing use of and demand for precision-guided munitions. This article introduces the state of technology for air-to-ground weapons for launch from both fixed and rotary wing aircraft.



#### Special Mission Aircraft: Builders and Integrators



Apart from the conventional task spectrum covering ISR, early-warning, ELINT/SIGINT and target acquisition advances in data and signal processing and miniaturisation have enabled special mission aircraft to extend their capability spectrum to include SAR, transport, pollution-monitoring, maritime surveillance, fishery inspection and deployments against smuggling or illegal migration.

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#### Other subjects include:

- Turkish TF-X Fighter Programme
- US TX Trainer Programme
- Cockpit Systems
- Modern Aircraft Integration for NATO's Future Operations
- Recognition of Military Aviation Authorities

Programme Subject to Modification

#### What Future Fighter?



On both sides of the Atlantic there are considerations for the development of new generation combat aircraft. Germany and France have agreed on the joint development of a

RAFALÉ and TYPHOON successor, and in the US the replacement of the F-22 and F-35 fleets will require major armament efforts. CONOPS, designs, solutions.

#### UCAV Developments

The United States, Israel, China, Iran, Italy, India, Pakistan, Russia and Turkey are known to be manufacturers of unmanned combat aerial vehicles (UCAV), and the trend points to UCAVs as essential elements of future combat aircraft fleets.



#### UAS Detection and Countermeasures

More than 600 types of UAS are currently in use in eighty nations and the (potential) threat imposed by such systems has inspired initiatives for the development of countermeasures. Principles and capabilities.



#### AEW&C Platforms

In the scope of the Alliance Future Surveillance and Control project NATO is investing significant efforts in the replacement of the AWACS fleet. And there are other initiatives of non-NATO nations.

#### Airborne Situational Awareness

As airspace around the world becomes more complex, the defence industry has to provide capable, yet affordable solutions to ensure situational awareness.