

TYPHOON TRANCHE 3

PROVISION FOR THE FUTURE

The Tranche 3 offers a number of provisions that future proof the aircraft. These will allow Typhoon to take on additional capability in the future.

Next Generation Fibre Optic Weapons Bus

There is a provision for fibre optic cabling which may be needed for future generations of weapons.

Conformal Fuel Tanks

The tanks increase the fuel load which mean extra range for the aircraft and also free up positions under the aircraft for larger or additional stores where under-wing fuel tanks would previously have been carried.

Fuel Dump:

In case an emergency return to base is needed or the pilot has a mission requirement, the fuel dump allows the aircraft to make rapid fuel reductions as opposed to needing to jettison stores.

E-scan Radar:

Over the long term the Active Electronic Scanned Array (AESA) will offer capability improvements over Mechanically Scanned Radar, including higher levels of multi target tracking, and enhanced weapons integration.

Avionics:

Will allow for increased computing power and additional mission computing capacity.

High Speed Data Network:

Tranche 3 aircraft are provisioned to be able to offer high bandwidth data transfer, which means they could carry weapons and stores that need high data bandwidth for, say, video.

BAE SYSTEMS