



## Skynet 5D

Airbus Defense and Space offers secure X-band communications services to Military and Government customers through the Skynet 5 constellation, MAC-1 compliant teleports and terrestrial backhaul solutions



## Airbus Defense and Space operates the latest state of the art military X-band satellites and an extensive ground infrastructure from the UK.

SkyNet 5 is a ground-breaking next generation military satellite communications program providing end-to-end, tariff based, resilient, secure Beyond-Line-of-Sight (BLOS) communications services to the UK MOD and international defense and government customers.

Airbus Defense and Space SkyNet 5 X-band satellites are the world's most powerful commercially controlled military X-band satellites launched to date. The SkyNet 5 constellation is built to support the most challenging missions, hardened to demanding NATO standards with MAC-1 compliant teleports. Designed specifically to support smaller, low powered, tactical terminals deployed across multiple theatres of operation, SkyNet 5 X-band service is ideally suited for critical military operations in harsh and remote locations.

With the successful launch of SkyNet 5D at the end of 2012, the Airbus Defense and Space SkyNet 5 constellation (A, B, C and D) delivers the increased capability and capacity to meet the growing requirements of military and government customers for real-time voice, imagery and video for COTM, naval and airborne ISR applications.

All SkyNet 5 satellites offer unprecedented levels of payload and coverage flexibility, providing high power X-band communications exactly where they are needed most.

## SkyNet 5D In-Service date – April 2013.

### SkyNet 5D Technical Details

Manufacturer	Astrium
Platform	Eurostar E3000
Body Dimensions	4.5m x 2.9m x 3.7m
Solar Array Span	34m
Launch Mass	4.8 tons
Stabilization	3 axis
Design Life	15 years
Orbital Position	53 East

### Payload Active Transponders

SHF	8 x 20 MHz 3 x 22 MHz 4 x 40 MHz
Power (per transponder)	160W
Spot Beam EIRP (peak)	50.5 dBW
BFN G/T (peak)	6 dB/K
Global Beam EIRP (peak)	40.5 dBW
Global G/T (peak)	-7.2 dB/K
UHF	Up to 11 5 or 25 kHz channels

Airbus Defense and Space provides advanced telecommunications, geo-information, space transportation, and satellite capabilities specifically tailored to meet the demanding requirements of U.S. and Canadian government customers.



Airbus Defense and Space provides SkyNet X-band services to Europe, Canada, Australia, Africa, Middle East and the US.