GRIPEN – THE SMART FIGHTER
GRIFFIN NEXT GENERATION

GRIFFIN NG is a true multi-role fighter with outstanding availability, tailored for the future Network Centric Warfare (NCW) environment. Gripen NG will meet the demanding operational requirements of the 21st century air forces and its unrivalled multi-role capability provides excellent tactical flexibility.

GRIFFIN NG OFFERS operational dominance and flexibility with superior mission survivability. Air-to-air superiority is guaranteed with METEOR, AMRAAM, IRIS-T, AIM-9X missile capability and supercruise. Air-to-surface capability is assured through the use of the latest generation precision weapons and targeting sensors. Gripen NG’s superior situation awareness is ensured through an AESA (Active Electronically Scanned Array) radar, IRST (Infrared Search and Track) passive sensor, HMD (Helmet Mounted Display), cutting-edge avionics, next generation data processing and a top-of-the-line cockpit.

THESE FEATURES TOGETHER with proven Network Centric Warfare capabilities – including advanced data communications, dual data links, satellite communications and video links – coupled with enhanced range and endurance due to increased fuel capacity and increased thrust from its powerful General Electric F414G turbofan engine, make Gripen NG the ideal independent fighter of choice. Gripen NG offers outstanding agility and high instantaneous turn rates providing unrivalled performance in close combat. On-board sensors, in combination with HMD/NVG, deliver the ability to detect and destroy a wide variety of targets, even at night or in poor weather conditions.

USE OF THE LATEST technology, modern materials, integrated computer systems and advanced aerodynamics have produced a high-performance fighter with a very low life cycle cost. Cost-effective, reliable, versatile and with a significant built-in-growth potential, Gripen NG is both fully NATO- and globally interoperable.

GRIFFIN OFFERS comprehensive industrial co-operation including technology transfer. We have a proven, unrivalled track record of delivering industrial co-operation programmes tailored to meet our customers’ strategic priorities and to produce real economic growth and social value far beyond the fighter aircraft contract. A wide range of flexible alternative pricing and financing solutions are available, backed by the Swedish Government, ensuring an affordable solution.

GRIFFIN NG FEATURES

• Network Centric Fighter – A truly Network Centric new generation multi-role fighter with the world’s most highly developed secure and multi-frequency data link, providing total Situation Awareness for the pilot in all roles.

• Superior Sensor Fusion – Latest generation avionic mission system with high computation power operating on ultra-fast digital data buses. This provides total sensor fusion resulting in enhanced combat capability, guaranteeing precision delivery of smart weapons.

• Smart Digital Cockpit – An advanced fully digital cockpit layout with large colour Multi-Function Displays (MFD), Hands-On-Throttle-And-Stick (HOTAS) and highly developed Decision Support Tools, provides the pilot with a superior combat advantage.

• See first – Kill first – A combination of low radar, IR and visual signatures, state-of-the-art AESA radar, IRST passive sensor, superior sensor fusion and world-leading new generation weapon integration ensures a high kill ratio in any engagement.

• Outstanding Agility – The world’s most agile fighter for close combat. A combination of advanced aerodynamic layout, utilising a combined close-coupled canard, a delta configuration, a triplex, digital fly-by-wire Flight Control System (FCS), the latest generation High-Off-Bore-Sight (HOBS) missiles and a Helmet Mounted Display (HMD), ensures winning dogfight capability – now and in the future.

• High Operational Tempo – Gripen NG’s high operational availability, rapid turnaround and minimal support requirements lead to sustained high sortie rates, giving commanders the ability to meet the most demanding operational requirements with minimum resources.

• Affordability – Gripen NG achieves the lowest operating cost of any fighter currently in operational service. This is accomplished by combining advanced COTS (Commercial Off-The-Shelf) components and the highly reliable and powerful General Electric F414G engine.

• Future Development – The Gripen NG is built to be adaptable to the changing threats and operational requirements that a modern air force faces. The avionics suite in Gripen NG is partitioned into two isolated areas; one for flight critical functions and the other one for mission functions. This enables users to make their own updates of mission function software – adding their own applications without having to go through the time-consuming and costly test process of flight-critical functions. The process is similar to adding new applications to a smartphone, and Gripen NG is optimized for this. Gripen NG is The Smart Fighter for the future.

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