

FLIGHT PLANNING - UNDERSTANDING THE WHOLE PICTURE

CADS

INTEGRATED BATTLE COMMAND

INTELLIGENCE & CYBER SECURITY

GLOBAL COMBAT NETWORKS

AIR DEFENCE

BORDER, FACILITIES & FORCE PROTECTION

BUSINESS SOLUTIONS

BUSINESS SERVICES





PLANNING AND MANAGING FLIGHTS WITHIN CONGESTED AIRSPACE DEMANDS THAT YOU UNDERSTAND THE WHOLE PICTURE TO AVOID POTENTIAL CONFLICTS AND HAZARDS

HELPING YOU MANAGE AND MINIMISE RISK IN UNCONTROLLED AIRSPACE



When flying in congested air space, at low level or at night, you are continually aiming to manage and minimise risk. BAE Systems' CADS (Centralised Aviation Data Service) is a leading advisory solution for collaborative air-to-air deconfliction and wirestrike avoidance.

COLLABORATIVE AIR-TO-AIR DECONFLICTION AND HAZARD AVOIDANCE PLANNING

CADS significantly reduces the risk of collision and wirestrike in uncontrolled airspace. Instant visibility of hazards and awareness of other aircraft, formation intentions and flying activities is provided at the planning stage. Your aircraft crews and coordinators, across a variety of regions, aircraft types and disparate air stations, can synchronise and adjust flight plans in advance or "lookout" can be more focused with enhanced anticipation.

It is often the case that aircrews have detailed knowledge of hazardous wires and obstructions in their immediate location but limited understanding of such hazards further afield. CADS allows your aircrew to share hazard and obstruction information. Local knowledge can benefit all, irrespective of base location, potentially saving lives in the process.

Harnessing the extensive skills, experience and expertise of our staff in the development of complex Mission Planning capabilities, CADS is a secure and intuitive advisory environment.

Your aircrew, operations staff, air traffic controllers and supervisors can efficiently and effectively collaborate with other teams to share

planning and obstruction information. Re-planning, delays and avoiding potential conflicts can be managed in consultation with other aircrews, allowing you to plan to deconflict from the outset.

Accessed through a secure web site, geo-referenced and textual displays let you see, understand and assess all planned sorties within a particular geographic area and time frame.

Hazardous wires or obstructions along any given route are highlighted. The inclusion of low flying zones, NOTAM (Notices To Airmen) and Weather forecasts allows your teams to make informed judgements on the viability and risks to their planned route(s). Automatic "play through" of a planned sortie(s), alerts you to potential conflicts.

Supplemental local knowledge about potential hazards can be captured by your teams and exploited by all. Information such as; hazard type; location; height; and free text descriptions can be added and imagery shared.

Helping your teams to work effectively, CADS delivers a secure planning, briefing and monitoring capability with Link 16, Blue Force Tracker and Mode S ADS-B overlays. Interfaces with different mission planning systems standardises information sharing within the collaborative CADS environment, whilst presentation material is created to support sortie briefings.

Whilst CADS is ostensibly designed to be easily accessed over the web in a central location, you may require a deployable or standalone intranet based solution. Through the miniaturisation of server technology and the use of BAE Systems Information Assurance (IA) products we can cater for these types of scenarios.

CADS lets you stay up to date with the latest flight information before take-off. Helping personnel within the UK MoD, CADS is operational within one of the busiest low flying areas in the UK.

Multi-user, multi-platform, multi-mission

Collaborative web-based environment to exploit geo-referenced local knowledge about potential hazards

Improved situational awareness, with Link 16, Blue Force Tracker and Mode S ADS-B overlays

Shared up to date mapping and imagery

Suitable for use in any environment: collaborative web-based; a standalone intranet solution; or supporting deployments

Ability to plan, brief and monitor flying plans

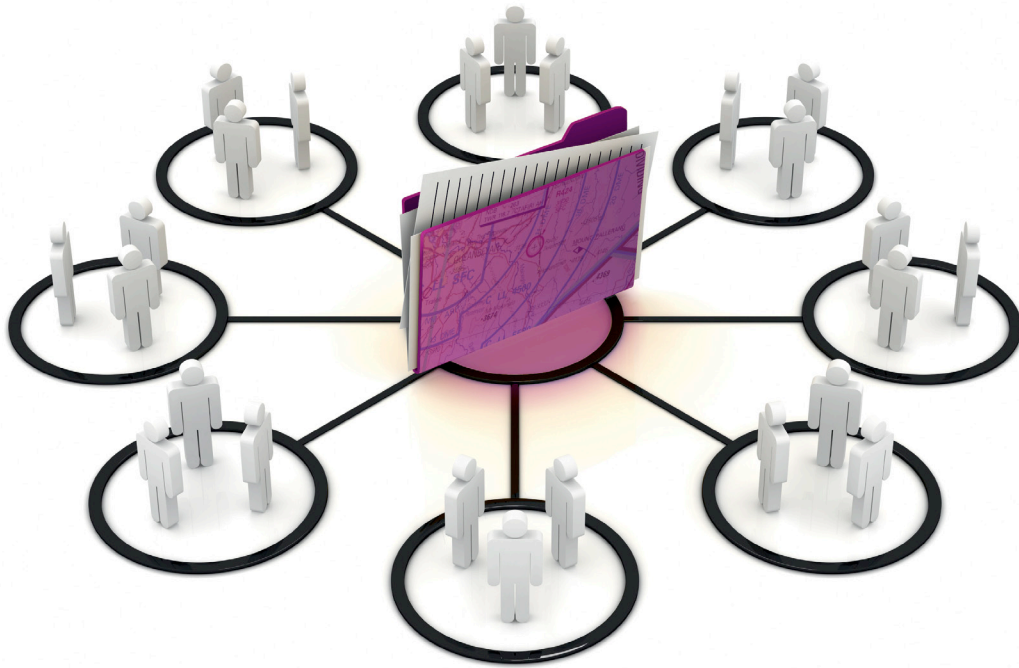
Links to different missions planning systems standardises information sharing across teams

Intuitive to use with embedded training, reducing your training burden and improving your teams efficiency and effectiveness

IMPROVE YOUR AWARENESS OF OTHER AIRCRAFT, HAZARDS, FORMATION INTENTIONS AND FLYING ACTIVITIES TO REDUCE THE RISK OF COLLISION AND WIRESTRIKE

CADS (CENTRALISED AVIATION DATA SERVICE)

PLAN TO DECONFLICT FROM THE OUTSET



IMPROVE COLLABORATIVE AIR-TO-AIR DECONFLICTION

REDUCE COLLISION RISK

REDUCE WIRESTRIKE RISK

IMPROVE PLANNING EFFICIENCY AND EFFECTIVENESS

EXPLOIT LOCAL KNOWLEDGE OF POTENTIAL HAZARDS

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