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INSPIRED WORK

The **LinkEdge™** advantage
Active pilot controls for aircraft without fly-by-wire



The LinkEdge™ advantage

Active pilot controls for aircraft without fly-by-wire

LinkEdge provides the benefits of tactile cueing to aircraft without fly-by-wire. It is an inceptor system that provides force-feel to aircraft having mechanically interconnected pilot stations and displacement-trim flight controls.

Unlike an active inceptor, with which the output is an electrical signal, LinkEdge is mechanically linked to the controls via a clutch, without severing the direct linkage from the grips to the control surfaces.

Benefits:

- Enables pilots to perform maneuvers at heavier operating weights, in less time, with reduced workload, and fewer damaging limit exceedances and mishaps
- Serves as a means to provide warfighters with the benefits of tactile cueing now, until next-generation helicopters are fielded with full FBW
- Unlocks significant operational benefits with respect to safety, performance, and limit exceedances that can reduce maintenance down-time and operating costs
- Has a lower impact on systems, controls, and airframes than a fly-by-wire upgrade, but is similar in performance
- Provides lower-cost tactile cueing because only one actuator and controller are required for both pilot stations per axis of control
- Cost effective for upgrading existing in-service aircraft

The world leader in inceptor technology

- World's first flight standard military active inceptor (F-35)
- World's first flight standard active cyclic and collective (UH-60Mu/CH-53K)
- World's first flight standard civil active inceptor (G500)
- World's first flight standard Active Parallel Actuation Subsystem (APAS) (MH-47G)



LinkEdge is a bolt-on active cueing system that brings the benefits of force feedback and tactile cueing to non fly-by-wire aircraft



About BAE Systems

We're building on our strength as a global provider of defense and security products to shape support services that meet the changing needs of our customers. From sophisticated cyber services and military support, to mission critical electronic systems and protection equipment, we aim to be at the forefront of defense technology and science.

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