

# JATAS



## Joint and Allied Threat Awareness System



The Joint and Allied Threat Awareness System (JATAS) will offer enhanced aircraft survivability by providing advanced missile warning capability and aircrew warning of laser-based weapon systems such as range finders, illuminators, and beam riders and hostile fire indication (HFI ) for small arms, rockets, and other unguided threats.

The JATAS will interface with the existing AN/ALE-47 Countermeasures Dispensing System (CMDS) such that, upon determination by the JATAS processor in accordance with predetermined and preprogrammed criteria, a cue can be issued to the CMDS for flare dispensing. Additionally, the JATAS will interface with the Department of the Navy (DoN) Large Aircraft Infrared Countermeasures (LAIRCM) system, the Common Infrared Countermeasure (CIRCM) system and other compatible Directed Infrared Countermeasures (DIRCM) as part of an integrated Electronic Countermeasures (ECM) response to attacking infrared (IR) missiles.

The JATAS will be controlled by the host platform's Mission Computer (MC) with operator interface/control being accomplished via the Multi-Function Display (MFD) or Central Display Unit (CDU)/Engine Instrument Caution and Advisory System (EICAS). In certain cases, command and control of the JATAS will be through the AN/APR-39B(V)2, AN/APR-39C(V)2, or AN/APR-39D(V)X Radar Signal Detecting Set (RSDS).

JATAS is planned to be integrated onto the MV-22B, MH-60R, MH-60S, AH-1Z, UH-1Y and CH-53K platforms.

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