



ECIPS+ pylon on a RDAF F-16
Photo: RDAF, Flyvevåbnets Fototjeneste

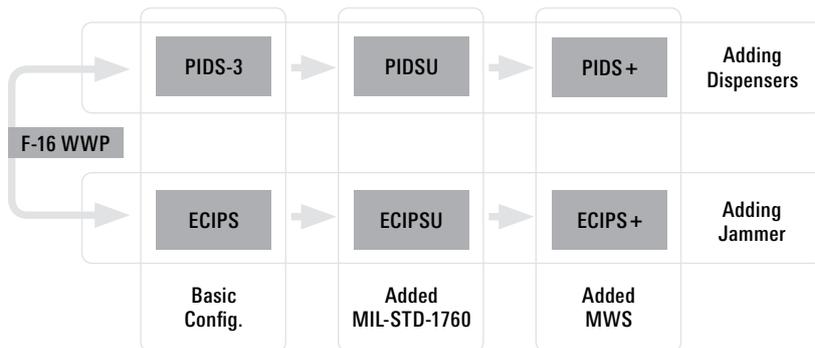
PYLON BASED EW SOLUTIONS; PROVEN AND INTEGRATED EW SOLUTIONS FOR FIGHTER PLATFORMS

As part of its integrated EW solutions, Terma A/S has since 1985 been providing pylon-based solutions for improved self-defense at a cost effective price.

As further outlined below, these pylon-based solutions have been provided in several different configurations for fighter aircraft and can be customized based upon specific requirements.

Terma has produced 1,500+ new as well as modified/retrofitted pylons for F-16 with EW capabilities.

In support of different operational capabilities, Terma A/S offers a series of standard pylon configurations which are based on the Lockheed Martin Wing Weapon Pylon (WWP), but with upgraded capabilities:



The above capabilities are added while retaining all conventional weapons and Electronic Countermeasures (ECM) pod capabilities, and the flexible pylon design can accommodate various IR/UV Missile Warning Systems (MWS).

It is of course possible to configure aircraft with combinations of the above, e.g. one ECIPS+ pylon and one PIDS+ pylon.

While still customizable, these standard configurations have provisions and support for today's requirements in relation to e.g.:

- MIL-STD-1760 (smart weapons) interface
- Chaff dispensers (e.g. Terma's ACMD5 or AN/ALE-47)
- Missile Warning Systems (e.g. AN/AAR-60)
- Electronic countermeasures, RF jamming (e.g. AN/ALQ-162(V)6)



Flare dispenser option (Flare-Up). The threat scenario, especially when operating from deployed bases, is shifting towards increased IR threats - not least MANPAD's. The PIDS was originally designed for Chaff Dispense but a Field Upgrade Kit comprising special magazines and a modified Breech plate will allow dispense of Flares from the PIDS versions. The Flare-Up kit was developed in late 2009 and is expected to be certified in 2010

The Flare-Up kit



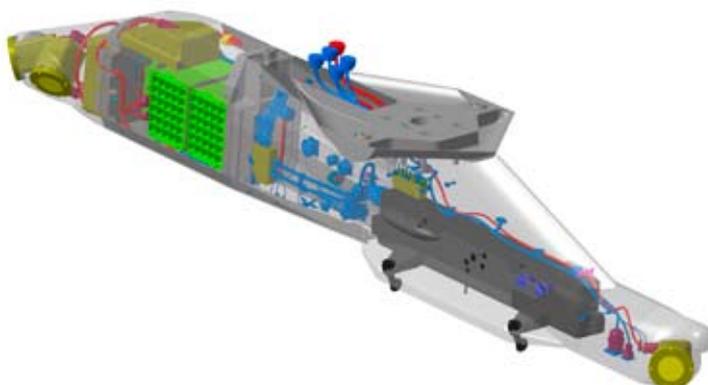
Ground Support Equipment for the Terma pylon versions includes Pylon Maintenance Stands, Pylon Test Adaptors and Pylon EW tester (PEWT).

The PEWT is a test set designed to complement the 16U75500-855 Stores Release Test Set (SRTS) or equivalent such as the Stores System Tester (SST).

Pylon EW Tester (PEWT)



	SWWP	PIDSU	PIDS+	ECIPSU	ECIPS+
					
Part number	541-1100-xxx	543-1100-xxx	544-1100-xxx	545-1100-xxx	546-1100-xxx
Magazines	Design provisions	3 per pod	2 per pod	Not applicable	Not applicable
MWS	Design provisions	Design provisions	3 sensors per pylon (Total of 6 sensors)	Design provisions	3 sensors per pylon (Total of 6 sensors)
Jamming	Design provisions	Design provisions	Design provisions	AN/ALQ-162(V)6	AN/ALQ-162(V)6
Interfaces	MIL-STD-1760 and conventional weapons via ACRIU				
Cockpit control	Terma AN/ALQ-213(V) EWMS or equivalent				
Visual warning	Terma Advanced Threat Display (ATD) or Head-Up Display (HUD) or Joint Helmet Mounted Cueing System (JHMCS)				
Audio warning	Terma 3D-Audio and mono audio integrated to existing voice message/aircraft intercom system				



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