

Ladies and Gentlemen;

I am seeking Expressions of Interest from companies that either have:

- Existing relationship with Meggitt (previously Stewart Wagner) for the support of existing equipment to the following specification; or
- Have the ability to design and manufacture functional replacements for the existing cooling system.

We operate and maintain an airborne electronic warfare training platform (Learjet 36) for the Australian Government. Transmitters on-board the aircraft are cooled using PAO (MIL-C-87252) coolant circulated through chill plates and a ram-air heat exchanger. The cooling system is approaching 20 years in-service and we are now looking to upgrade the liquid cooling system major components to improve system reliability and supportability. In particular we are considering upgrades to the pump, accumulator and heat exchangers.

The liquid cooling system (LCS) basic parameters are tabled below:

Coolant	PAO per MIL-PRF-87252C
TTL Coolant Capacity	1650 cu in (27 litres)
Accumulator Capacity	300 cu in (5 litres)
Pump Flow	14-18 GPM
Pump Pressure	80-120 psi
Max System Pressure	140 psi
Mission Power	115/200 VAC 3 Phase
Mission Power (wild) Frequency	460-585 Hz
Plate and Fin Heat Exchangers	Qty 2 x Aluminium Stewart-Warner (now Meggitt?) GA 10010.

Our preference is for Commercial Off-The-Shelf (COTS) products to minimise the overhead in managing ITAR/Export Controlled equipment.

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