Salient Characteristics & Shipping Requirements

PANTOGRAPHS & HIGH REACH ARM

at

Royal Air Force (RAF) Mildenhall

4 June 2026

Pantographs: This requirement is for multiple moveable pantograph assemblies that must include the following key salient characteristics:

- Nozzle Assembly: 341GF aircraft refueling nozzle with D-3 swivel inlet, 344GF strainer, and 349GF strainer ball with glass inspection plate valve or equivalent.
- Coupler: 351GF-14F DOD-style coupler designed to connect to the existing Mil-Spec hydrant pit outlet.

Product Description:

- Moveable pantograph with (3) 4" NB 10m long sections, for an overall length of 100ft plus inlet and dispensing arms.
- Integral flanged swivel joints made of stainless steel (Grade TP304L, IAW UFGS 33 52 43.12 2.1.1).
- Counterbalanced dispensing end compatible with a standard 341GF nozzle assembly interface. (compliant with SAE AS5877 and MS 24484).
- Counterbalanced inlet suitable for the 351GF-14F style coupler, designed to connect to existing hydrant pit valve.
- Lockable and braked spring-balanced 300mm castor wheels.
- Support structures are made of hot-dip galvanized steel.
- Includes a venturi, thermal relief system, deadman system, positive displacement meter with a mechanical register and temperature compensation, sampling/drain assemblies, a vent assembly, two grounding reels, and a towbar.
- Designed in accordance with STS-M 145 and is AFSSEA approved.
- Includes provision for a pre-existing Cla-Val refueling control valve with venturi control to STS-M 165.

High reach pantograph assembly: This requirement is for multiple high-reach pantograph assemblies that must include the following salient characteristics:

- Nozzle Assembly: 341GF aircraft refueling nozzle with D-3 swivel inlet, 344GF strainer, and 349GF strainer ball with glass inspection plate valve or equivalent.
- Inlet Receptacle: The assembly must be compatible with a 341GF single point nozzle assembly and a counterbalanced inlet arm compatible with a 340AF Single Point Receptacle (SPR)

Product Description:

- High-reach moveable pantograph designed to USAFE-Standard Spec. STS-M144B for underwing refueling of wide-body aircraft.
- Features a manually operated scissor lift platform extending to a refueling height of 17.3ft (5.30m).
- Constructed with 3” (DN 80) stainless steel (304L) pipework and high-performance, maintenance-free flanged stainless steel (316L) swivel joints.
- Mobility is provided by four 12” (300mm) spring-loaded, fuel-resistant castors (two with brakes, two with directional locks).
- Includes a detachable, hot-dip galvanized steel tow bar suitable for a pintle hook.
- Equipped with a thermal relief system set to 125psi, a liquid-filled pressure gauge, sample/drain and venting assemblies, and dual 15m spring-rewind grounding reels.
- All support structures are hot-dip galvanized steel.
- Supplied with full documentation, including installation/operation instructions and material/pressure test certificates to EN 10204 3.1.

Shipping Instructions:

- For vendors located inside the United Kingdom.
    - Shipment shall be FOB Destination.
    - All shipping and transit costs must be included as part of the total purchase price submitted to the Government (vendor shall include the shipping in the costs of the items).
    - The Government will provide the shipping address as part of the solicitation document. Additionally, the Government will provide the vendor with the point of contact at the physical destination delivery address.
- For vendors located outside of the United Kingdom.
    - Consolidated Shipping Point.
        - Shipping shall be FOB Destination.
        - All shipping and transit costs must be included as part of the total purchase price submitted to the Government (vendor may either

included the shipping in the costs of the items or outline it in a separate line item).
    - Weight of individual shipments must exceed 300lbs.
    - Dimensions of individual shipments must exceed 72 inches of any one dimensions (length, width, height).
    - Hazardous material may be shipped via this method.
    - The Contractor must complete a DD Form 1139 “XXX” to determine if the cargo can be shipped via MILAIR.
    - The Contractor shall ensure all cargo is marked “UNITED STATES AIR FORCE” in order to ensure shipments clear customs.

- Contact Information; 100th Logistical Readiness Squadron (100 LRS)
    - 100 LRS/Inbound Customs; 100lrs.lgrd.customs@us.af.mil
    - 100 LRS/Inbound Cargo; 100LRS.InboundCargo@us.af.mil

  100 LRS/Fuels Flight; 100LRS.LGRF.FuelsMgmtTeam@us.af.mil
  Commercial phone number; +44-1638-542912 (Fuels Service Center)