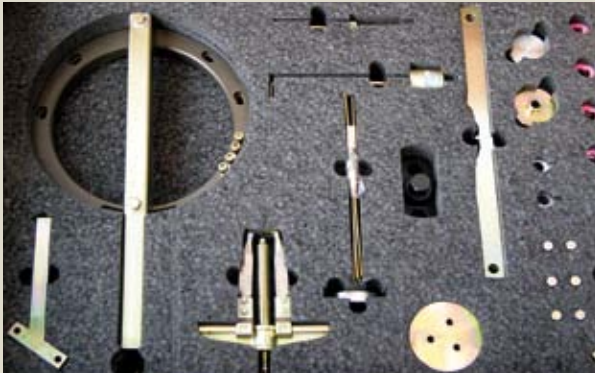
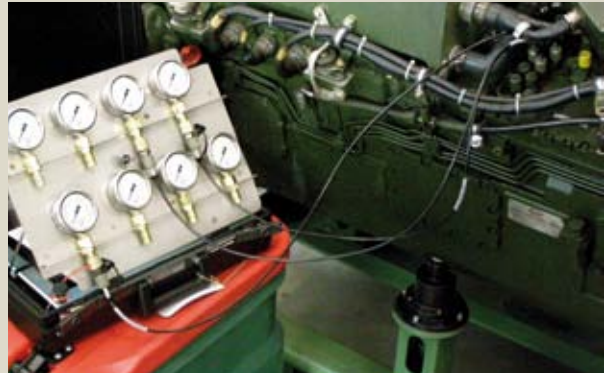


## Logistics



*Special Tools AIFV PUMA*



*Test Equipment AIFV PUMA*

### **Integrated logistics support (ILS)**

The AIFV PUMA features a networked logistics support management system. This system provides operational and technical data for the following areas:

- Logistic Support Analysis
- Interactive Electronic Technical Documentation(IETD)/Interactive Electronic Technical Manual (IETM)
- Special tools & test equipment and
- Spare parts

### **Logistic Support Analysis (LSA)**

The early integration of the logistic support analysis has provably increased the reliability of the weapon system. The achieved reliability is as high as or even higher than the reliability for the MBT Leopard 2 or other modern MBT (e.g. M1 Abrams).

### **Interactive Electronic Technical Documentation (IETD)/Technical Manual (IETM)**

The logistic support analysis is integrated in the Interactive Electronic Technical Documentation. The technical documentation is network supported and conforms with the international standards AECMA SPEC 1000D and 2000M. The Interactive Electronic Technical Documentation contains manuals and illustrated spare parts catalogues with operational, maintenance and support data for user and for maintenance personnel. As result of the IETD/IETM also paper documentation for user/crew and maintenance can be provided easily.

### **Special tools & test equipment**

Based on the logistic support analysis the composition of the special tools & test equipment is finally to be determined in cooperation with the user. The requirements for the special tools & test equipment are reduced to a minimum because of the integrated testing system (Built in test equipment – BITE).

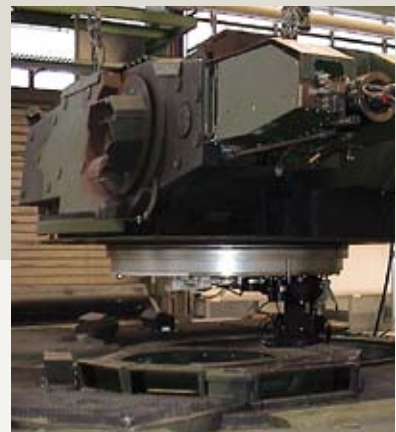
### **Spare parts**

Also based on the logistic support analysis a kit of required spare parts is defined and finalized in corporation with the user. Spare parts are to be delivered at the beginning of the in-service period of PUMA and follow at any time.

### High Technical Availability and Cost Effective Support Concept

The main objectives of the logistic support concept for the AIFV PUMA are to maintain a high level of technical availability of the weapon system and to provide a highly cost effective support system. Besides the excellent modularity and open standard interface architecture three key design criteria are to maximise the availability of the AIFV PUMA for deployments:

- Integrated Testing System (Built in test equipment – BITE)
  - Functional faults of the chassis and turret are detected by the integrated testing system.
  - This integrated testing system offers information of degraded functionality to the crew and enables maintenance personnel a rapid analysis of any problem.
- Automatic data transfer
  - Faults which occur during operation are recorded in the integrated testing system. This information is available in conjunction with other system data of the AIFV PUMA – if required to be radio transmitted.
- Line Replaceable Units
  - The capability of rapidly exchanging the mechanical and electronic component modules facilitates easy on the spot repairs.



### Through Life Support

Europe's two leading manufacturers of armoured wheeled and tracked vehicles Krauss-Maffei Wegmann and Rheinmetall provide jointly through PSM the full range of ILS activities for the customers of its AIFV PUMA. PSM is capable of carrying out all scheduled, unscheduled or emergency maintenance or repairs as well as training, documentation and specialist military deployed activities. The customer is supported by PSM for all ILS needs such as service, spares, documentation, test equipment and training. The support is conducted by the manufacturers and incountry service network as well as in the field or mission.

Backed by the comprehensive resources of the two global organisations PSM provides engineering support throughout the equipment lifecycle. This ensures quality, safety, post-design services and integration of all electrical, mechanical, structural and ongoing R&D aspects. PSM carries out in-depth analysis to rationalise the amount of support and test equipment needed by its customers which ensures cost-effective support.

This global support capability enables customers to enjoy high level of availability of the AIFV PUMA wherever they may be.



#### PSM Projekt System & Management GmbH

Wilhelmshöher Allee 262 · 34131 Kassel · Germany  
 Tel +49 561 5107-0 · Fax +49 561 5107-199  
 info@psm-spz.de · www.psm-spz.de

PSM GmbH is a Joint Venture of Krauss-Maffei Wegmann GmbH & Co. KG and Rheinmetall Landsysteme GmbH.

