



SERVICE BULLETIN No. 08/11/2019

EXTENDING THE LIFETIME OF SPORTING PARACHUTE'S PARTS OVER 20 YEARS

1. **CONCERNS:** A) Harnesses of the series PS-034, PS-055, PS-052, PS-053T, PS-053T-1 and parachute containers of the series OP-087, OP-093, OP-103, OP-095, including their parts,
B) Reserve parachutes /WITTY PLUS, WP-110, WP-130, WP-150, WP-175, WP-210, WP-260, WP-370/ including their parts, and reserve parachute PZS-92,

produced by MarS spol. s r.o. or MarS a.s., applied in civil aviation sector, **for which has already been extended general lifetime for 20 years by the manufacturer.**

2. **REASON:** Based on long-term information collection and analysis provides the manufacturer with the option of extending the lifetime of the above components beyond the current lifetime limit of 20 years.

3. **MEASURES:**

3.1 **Extension of the lifetime of the sport parachutes**

Only the manufacturer can extend the lifetime of components of sport parachutes over 20 years (max. up to 5 years).

The user shall send the parachute parts to the manufacturer 6 months before the end of the 20 year lifetime for the extension of the lifetime with the technical certificates.

The manufacturer shall carry out a technical inspection of the parachute components on the basis of its internal inspection procedures.

The manufacturer shall perform mechanical-physical material tests on specified components. The manufacturer shall enter in the relevant technical certificates the record of the performed inspection and the performance of mechanical and physical tests.

If the result of the inspection and mechanical-physical tests is satisfactory, the manufacturer will complete a record on lifetime extensions in the respective technical cards **to the total lifetime max. up to 25 years.**



The manufacturer can also extend the lifetime **for the period below 25 years.**

NOTICE:

If the parachute parts do not have extended lifetime and valid technical inspection by the manufacturer, the manufacturer does not guarantee the function, and in case of exceptional event manufacturer is not responsible for any potential damages to health and property.

3.2 Performing the technical inspection by authorized person

In case the total lifetime was extended by the manufacturer from 20 years to 25 years, the **authorized persons** (the master parachute rigger /MPR/, senior parachute rigger /SPR/) can perform the technical inspections of the parachute parts with the validity of technical inspection for 2 years during the last 5 years of the lifetime.

The authorized persons (the master parachute rigger /MPR/ and senior parachute rigger /SPR, see regulation V-PARA-1, point 2.1.16.2 or point 2.1.16.3) is entitled to perform:

- Parachute inspection – see point 5.1.3 of regulation V-PARA-1,
- Parachute packing – see point 5.1.4 of regulation V-PARA-1,
- Technical inspection with the validity of 2 years after 5 years of the parachute use.

The result of technical inspection, the authorized person will record in the respective technical certificate and state the date of validity until the next technical inspection.

The authorized person can apply this procedure until using the total lifetime of the parachute max. up to 25 years.

The lifetime of the parts without technical certificate is monitored according to the manufacturing date and their use is limited by the physical state found by the authorized person or by the parachute packer during the inspection before the package for use.

The parts without any indicated identification (e.g. steering toggles, bridles etc.) are limited in the use by the physical state found by the authorized person or the parachute packer during the inspection before the package for use.



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NOTICE:

- Incompliant parts must not be used.

- **Lifetime of the below parts:**
 - Main Risers of the main parachutes
 - Replace the Main Risers of series VK-33/ ... (mini-system) at the latest after completing 300 jumps or after 5 years.
 - Send the Main Risers of series VK-44/ ... at the latest after completing 300 jumps or after 5 years of use to the manufacturer or to person authorized by manufacturer for technical inspection.

 - Rubber parts of parachutes pull up cords, etc.
The lifetime is limited by their physical state.

 - Main parachutes
The lifetime is limited by their physical state.

4. VALIDITY: From the date of issue.

5. ANNEXES: Annex No. 1 – Technical certificate of the parachute harness/container – example of the process completing by the manufacturer and by the authorized person.

6. DATE OF ISSUE: In Jevíčko on 08. 11. 2019

Ing. Jaroslav Sedlák
Technical Department Manager MarS a.s.

Stamp & Signature:





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Annex No. 1

Pages: 1

**Technical certificate for the parachute harness/container
- filling process by the manufacturer and by the authorized person
(the master parachute rigger /MPR/, senior parachute rigger /SPR/)**

After a satisfactory technical inspection of the harness/container the authorized person shall record on the title page of the technical certificate an entry with the date of validity until the next technical inspection (extension by a maximum of 2 years).

Further technical inspection may be carried out by an authorized person within the set deadline.

The sample of the record – The title page

PROHLÍDKY A BALENÍ V PROVOZU FIELD INSPECTIONS AND PACKING			TECHNICKÁ PROHLÍDKA - RIG INSPECTION		TECHNICKÝ PRŮKAZ TECHNICAL CERTIFICATE		TECHNICKÁ PŘEJÍMKA - GEAR ACCEPTANCE		
DATUM DATE	JMÉNO / Č. OPRÁVNĚNÍ SURNAME / AUTHORIZATION No.	PODPIS SIGNATURE	PLATÍ DO VALID TILL	02. 10. 2019	01. 12. 2021	VÝROBEK - GEAR Obal padáku s postrojem	* VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		
			DATUM DATE	06. 03. 2019	01. 12. 2019	VÝROBCE - MANUFACTURER MarS a.s. Okružní II 239, Jevíčko - CZ Tel.: +420-461 353 841, Fax: +420-461 353 861	VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		
			PODPIS SIGNATURE			TYP - TYPE 0P-034 ; 7P-034 U	* VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		
			RAZÍTKO SEAL			VÝROBNÍ Č.Č. SÉRIE - IDENTIFICATION No./SERIAL No. 01204/99 rel.	* VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		
			PLATÍ DO VALID TILL			MÍSTO DATUM VÝROBY - PLACE AND DATE OF MANUFACTURE JE 02. 10. 1999	* VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		
			DATUM DATE			TYP SCHVÁLEN - AIRWORTHINESS APPROVAL BY 03. 09. 1999	* VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		
			PODPIS SIGNATURE			PŘEBALOVACÍ CYKLUS - CYCLE OF REPACKAGING 180 JNU	* VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		
			RAZÍTKO SEAL				* VÝROBEK SCHVÁLEN PRO PROVOZ - * GEAR AIRWORTHINESS GRANTED - OTK VÝROBCE - QUALITY OFFICER OF MANUFACTURER		

The manufacturer will also complete a record into the inside page of the technical certificate as regards:

- completed technical inspection and the result of the mechanical-physical tests and their results
- extending the lifetime of the harness/container over 20 years in relation to the issued Service bulletin No. 08/11/2019 + signature + stamp.

The authorized person will also complete a record into the inside page of the technical certificate (under manufacturer's record) as regards:

- completed technical inspection and the result + signature.

The sample of the record – The inside page

ROČNÍ PŘEHLED POUŽITÍ - ANNUAL REVIEW			OPRAVY A PROHLÍDKY REPAIRS AND INSPECTIONS		MAJITEL - OWNER		PROHLÍDKY A BALENÍ V PROVOZU FIELD INSPECTIONS AND PACKING		
ROK - YEAR	POČET POUŽITÍ - No. OF APPLICATIONS ZA ROK - YEARLY	CELKEM - IN TOTAL	DATUM / ÚKON / POTVRZENÍ - DATE / ACTIVITY / ENDORSEMENT	JMÉNO - FULL NAME	ADRESA - ADDRESS		DATUM DATE	JMÉNO / Č. OPRÁVNĚNÍ SURNAME / AUTHORIZATION No.	PODPIS SIGNATURE
			02. 03. 2019 Provzdena prohlídka, vhodný!						
			ŽIVOTNOST OBALU PADÁKU S POSTROJEM PRODLOUŽENA DO: 02. 10. 2019	ZMĚNY A POZNÁMKY - CHANGES AND NOTES					
			ve servisu dle bulletinu č. 07/03/2019						
			01. 12. 2019 Provzdena prohlídka, vhodný!						
			ŽIVOTNOST OBALU PADÁKU S POSTROJEM PRODLOUŽENA DO: 02. 10. 2024						
			ve servisu dle bulletinu č. 08/11/2019						