**BVR 2024 Annex D: Technical Standard for Parachuting Equipment (TSS) - Version 2**

**Royal Dutch Aeronautical Association (KNVvL)**  
**Parachuting Division**

**Basic Safety Regulations for Sport Parachuting 2024**  
Annex D: Technical Standard for Parachuting Equipment (TSS) - Version 2

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**Article 1: General Requirements**

**Paragraph 1: Type Approval by Compliance with Standards**

Parachute equipment and its components may only be used if they have been approved by:

* The **Federal Aviation Administration (FAA)** under **TSO-C23**, or
* Other organizations whose standards are deemed equivalent by the board.

**Paragraph 2: Type Approval by an Aviation Authority within the European Union**

Parachute equipment and its components may be used if they are deemed suitable for use by sport parachutists by or on behalf of an aviation authority of a country within the European Union (EU).

**Paragraph 3: Type Approval by Testing and Demonstrating Quality**

Parachute equipment and its components may be used if:

* It has been demonstrated to the board that they meet the requirements set out in **TSO-C23**, according to the version applicable at the time of first production and use.
* The manufacturer meets the quality requirements set in **“14 CFR Part 21, Subpart O - Technical Standard Order Approvals”** of the FAA. In this regulation, references to "FAA" should be read as "board," and "United States" as "Netherlands."

**Paragraph 4: Exceptions to Type Approval of Components**

Before a non-original component may be used in an existing system, a **Master Rigger** must reasonably determine that the final system with this component meets the original type approval.

This provision also applies when a manufacturer prescribes original components. The Master Rigger must adhere to regulations issued by the board (including bulletins) and general standards.

In cases where the **BVR** allows component replacements, the **BVR** takes precedence. In such cases, in addition to a **Master Rigger**, an **Instructor** or **Senior Rigger** may assess compatibility.

**Paragraph 5: Advice from the Materials Committee**

The board consults the **Materials Committee** regarding compliance with type approvals and quality requirements.

**Article 2: AADs (Automatic Activation Devices)**

Only the following **AADs** (Automatic Activation Devices) are approved for use:

**Approved AAD Models**

**Airtec**

* Cypres 2 (all variants)

**Advanced Aerospace Designs**

* Vigil I
* Vigil II
* Vigil 2+ Multimode
* Vigil 2+ Xtreme
* Cuatro

**FXC Corporation**

* FXC 12000 “J” update, FXC 12000-25
* Astra

**MarS**

* MarS M2

**Mandatory AAD Use for First 25 Jumps**

For the first **25 jumps** of a sport parachutist, an **AAD** of the following type or mode must be used:

**Airtec**

* Cypres 2 Student
* Cypres 2 C-mode (Student Mode)

**Advanced Aerospace Designs**

* Vigil I (Student Mode)
* Vigil II (Student Mode)
* Vigil 2+ Multimode (Student Mode)
* Cuatro (Student Mode)

**FXC Corporation**

* FXC 12000 “J” update, FXC 12000-25
* Astra

**MarS**

* MarS M2 (Student Mode)

**Article 3: Standard Parachute Equipment**

**Paragraph 1: Components of a Standard Parachute System**

A **standard parachute system** consists of the following components:

* The **harness/container system**, including the risers of the main parachute.
* The **corresponding deployment system(s)**.
* The **main parachute**.
* The **reserve parachute**.
* An **AAD**.

**Paragraph 2: Deployment System Requirements**

Parachute systems must have a **separate deployment mechanism** located on the front of the harness:

* The **cutaway handle** (for releasing the main parachute) must be located on the **right side**.
* The **reserve handle** (for pulling the reserve parachute’s closing pin) must be located on the **left side**.

**Article 4: Tandem Equipment**

Tandem parachute systems must comply with all provisions outlined for **standard parachute equipment** (Article 3).

Additionally, the **passenger harness** is considered an **integral part** of the tandem parachute system.

**Article 5: Round Canopy Static-Line Equipment**

**Paragraph 1: Components**

Parachute systems used for **static-line jumps** with a **round main parachute** and a **round chest-mounted reserve system** consist of the same components as a standard parachute system, **except that an AAD is not required**.

**Paragraph 2: Additional Equipment Requirements**

These parachute systems must be equipped with the following additional components on the **chest-mounted reserve system**:

* A **cross connector**.
* A **spring-loaded pilot chute**.

**Paragraph 3: Deployment System Exemption**

The deployment system requirements outlined in **Article 3, Paragraph 2** (Standard Parachute Equipment) **do not apply** to these systems.