



**Deutscher Fallschirmsportverband (DFV) e.V.
Deutscher Aero-Club (DAeC) e.V. Luftsportgerätebüro
Verband unabhängiger Prüfer von Luftsportgerät e.V.**

An alle Vereine/Schulen/
Fallschirmtechniker
Fallschirmwarte

**Technische Mitteilung
für Tandems**

herausgegeben: 25.03.2012

Nummer: 03/2012

Bezug: Service Bulletin 32 vom 02.02.2012 der Firma Strong Enterprises.

Betroffene Muster: Dual Hawk Tandem Systeme der P/N 103000 bis 103005 mit 2-Pin Verschluss des Hauptcontainers.

Betrifft: Einbau und Nutzung von Tandemhauptkappen der Firma Icarus Canopies in diesen Dual Hawk Tandem Systemen unter Beachtung des SB 22

Bemerkungen: Unter Beachtung der Herstelleranweisung, des Manuals und des SB 22 vom 20 Febr.1997 dürfen Icarus Tandem Kappen der Größen 364, 365 und 400 in diesen Strong Enterprises Dual Hawk Tandem Systemen verwendet werden.

Siehe Anhang: SB 22 von Strong Enterprises inkl. der Erklärung
SB 32 von Strong Enterprises

Verteiler: Techniker, Warte, Händler, Vereine, Sprungzentren.

Dresden, den 25.03.2012

Referat Technik DFV

Ralf Homuth – Geschäftsstellenleiter VuPL

SB#22, Unapproved Components - Feb. 20, 1997

ITEM: A) Dual Hawk Tandem, Use of Unapproved Components B) Dual Hawk Tandem Service Life

STATUS: Mandatory

IDENTIFICATION: Dual Hawk Tandem Systems; PN 103000 through 103005 (Dwg No. 1151 & 68E10001).

BACKGROUND: A) Strong Enterprises has determined that Dual Hawk Tandem Systems with components not approved by Strong Enterprises present a hazard that is not acceptable for tandem jumping. B) The rapid improvements of the Dual Hawk Tandem System have shown considerable safety enhancements. It is also evident that most systems older than eight years have considerable wear and deterioration with loss of performance and could pose a threat to the users.

SERVICE BULLETIN: A) Only components approved by Strong Enterprises may be used on the Dual Hawk Tandem System for tandem jumping. B) All Dual Hawk Tandem Systems shall have a service life of eight years from date of manufacture or be returned to Strong Enterprises for re-inspection and recertification. It may then be placed back into service for five years. This service bulletin does not change the requirements for periodic inspections and maintenance as outlined in the FAA Exemption or manufacturers instructions.

QUALIFIED PERSONNEL: Equipment owner, Strong Enterprises Tandem Instructor, Senior or Master Rigger or foreign equivalent.

COMPLIANCE DATE: Feb. 1997

DISTRIBUTION: All Dual Hawk Tandem System owners, national aero clubs, PIA, USPA, Skydiving, Parachutist, www.StrongParachutes.com.

SB#22, Explanation

EXPLANATION: Strong Enterprises has taken a proactive step to ensure public safety and the safety of our certified tandem instructors by issuing Service Bulletin #22 on 20 February 1997 (above). The purpose of Bulletin #22 is to assure that Dual Hawk Systems more than 8 years old are still safe to use, and components that Strong Enterprises has not tested or approved as being compatible are not being used in these systems.

Dual Hawk Tandem Systems that are not in compliance with Bulletin 22 are considered by Strong Enterprises to be un-airworthy. Therefore, the TSO on that system is void and any tandem jumps made on these systems are made in violation of FAR 105.43 (a). Any Strong Enterprises certified tandem instructor who enters into an aircraft with the intention of making a tandem jump, and the Dual Hawk System he intends using on that jump is not in compliance with Strong Enterprises Bulletin 22, has automatically voided his Strong Enterprises tandem instructor certification and that jump will be made in violation of FAR 105.43 (a) and Strong Enterprises' tandem exemption.

Service Bulletin #22 is integrated into the Dual Hawk Operation Manual and is covered under FAA Part 65.129 (d, e & f).

- d. Cannot alter unless specified by Administrator or manufacturer.
- e. Pack, maintain or alter ... That deviates from the procedures approved by the Administrator or manufacturer of the parachute.
- f. ...exercise privileges of certification and rating unless he understand current manufacturer's instructions.

All Dual Hawk Tandem Systems are authorized for use for eight years from date of manufacture, at which point they must be returned to Strong Enterprises or an authorized Strong Enterprises Recertification Center for any required updating and recertification. After the inspection, and if necessary reconditioning of the system, it may be placed back into service for five more years. At the 13th year from the date of manufacture the system must again be sent in for necessary reconditioning/recertification and may be returned to service for an additional five years. At the 18th year from date of manufacture the container/harness, risers and passenger harness will be taken out of service, however the Master reserve canopy may be recertified one more time with a specific letter for that reserve for an additional 5 years after which it will be taken out of service.

Complete service life of container/Harness & Passenger harness: 18 years

Complete service life of Master reserve canopy: (23) 18 years, with possible 5 year written extension to 23 years.

Recertified components are marked:

- **Harness/container:** Labels sewn on the horizontal back strap of the passenger harness, inside the main container, and on the front left reserve riser.
- **Main and reserve canopies:** A label sewn onto the tail seam.



Strong Enterprises

"The parachute company with imagination"

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SERVICE BULLETIN #32

Issue Date: February 2, 2012
Subject: Icarus 364, 365 and 400 main canopies use in the Dual Hawk Tandem System
Status: Optional. Strong Enterprises approves the use of the Icarus 364, 365 and 400 for use in the Dual Hawk Tandem System under Service Bulletin 22, dated February 20, 1997.

Identification:

Dual Hawk Tandem System P/N 103000 through 103005 with the two loop closing system.

Background:

During the past 3 months tests have been undergone to ensure the pack volume, fit, and function of the Icarus 364 in the Dual Hawk Tandem. After ensuring the packing method and pack volume were compatible with the Dual Hawk System over 30 jumps were performed solo, with sandbags, and with live passengers. Throughout all tests the canopy performed as desired.

In accordance with Service Bulletin #22 the Icarus 364, 365 and 400 main canopies are now considered an approved component of the Dual Hawk Tandem System.

Effective Date: February 2, 2012.

Authority: Mike Rinaldi, Tandem Director
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Distribution:

Manufacturer, FAA, USPA, Foreign Parachute Organizations, all Dual Hawk Tandem Examiners and Instructors, Parachutist magazine, www.strongparachutes.com, www.facebook.com/StrongEnterprises