



CIVIL AVIATION AUTHORITY
CZECH REPUBLIC

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AIRWORTHINESS DIRECTIVE

Number: CAA-AD-002/2003R1

Replaces CAA-AD-002/2003

Date of issue: January 08, 2003

GPI

APPLIANCE - CARGO NETS (ATA 27) - INSPECTION/REPLACEMENT

| **Applicability:** cargo nets production by GPI listed in the following FAA AD.

Effective date: February 20, 2003

| **Compliance:** Required as indicated DGAC AD 2002-367(B)R1.

Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.

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CAA CZ

DGAC AD No.: 2002-367(B) R1

GPI

Cargo nets

Cargo Net rupture (ATA 25)

1. APPLICABILITY:

1.1. All 2M2N Cargo Net manufactured by GPI, subject to a specific certification under P/N: M1 13 01 2000 1300B released into service with a JAA Form One Airworthiness Tag, and marked QAC 160/TSO C90.

1.2. All 2G1N Cargo Net manufactured by GPI under P/N: G1 13 03 2000 1300 A released into service with a JAA Form One "Conformity Tag".

Note 1: Under P/N: M1 13 01 2000 1300B, GPI manufactured two (2) net models:

A. Not reinforced nets. These nets may be identified by:

- the first lower mesh row is made of 13 mm diameter ropes,
- all the other mesh are made of the same 13 mm diameter ropes,

or

"Weight: 10,600 kgs" is written on the GPI manufacturer label.

B. Reinforced nets. These nets may be identified:

- the first lower mesh row is made of 18 mm diameter ropes,
- the other mesh are made of 13 mm diameter ropes.

or

"

Weight: 13,700 kgs" is written on the GPI manufacturer label.

Note 2: GPI address is:

GPI

BP n° 1, Zone artisanale de la Bohalle

49800 BRAIN-S/L'AUTHION

FRANCE

2. REASONS:

2.1. Tests performed in accordance with NAS 3610 Specifications showed the nets breaking at loads much lower than the specified, or placarded maximum weight. The reinforced nets broke at values equivalent to three quarter of the requires test load.

If left unchanged, this situation can lead the cargo contents to become a hazard by shifting in case of severe in flight turbulence freight stowing could be fault.

2.2. Nets quoted in Paragraph 1.2. of original issue of this Airworthiness Directive (nets 2K3N P/N K1 13 01 2000 1300A and 2L3N P/N L1 13 01 2000 1300A) had never been the subject of load tests as per requirements of NAS 3610. This is the reason why in a first time, their use had been restricted.

Tests on nets 2KL and 2L3N in the aim of a JTSO C90c and TSO C90c have been successfully performed on July

26, 2002. As the nets subject of the tests were strictly identical in their manufacturing to nets 2K3N P/N K1 13 01 2000 1300A and 2L3N P/N L1 13 01 2000 1300A, formerly produced by G.P.I., the latter can finally be used without any restriction.

3. COMPLIANCE:

3.1. Within thirty (30) days from the effective date of this Airworthiness Directive (AD), original issue, the following actions are required:

3.1.1. Identify the GPI 2M2N; P/N: M1 13 01 2000 1300B not reinforced nets following the paragraph 1 Note 1 criteria of this AD.

3.1.2. Remove from service these not reinforced nets GPI 2M2N; P/N: M1 13 01 2000 1300B not reinforced.

3.1.3. From main operation base, remove from service the not reinforced NAS3610 2M2N; P/N: M1 13 01 2000 1300B GPI nets.

3.1.4. From other stations than the main, the not reinforced 2M2N; P/N: M1 13 01 2000 1300B nets must not be used unless the pallet stowing to be completed by appropriate stowing straps.

3.2. During a six (6) month period from the effective date of this AD, original issue, GPI nets can be used under the following conditions:

3.2.1. GPI 2M2N; P/N: M1 13 01 2000 1300B reinforced nets; the pallet maximum load is limited to 5 130 kg (11310 Lb.). GPI 2M2N; P/N: M1 13 01 2000 1300B reinforced nets can be used with their usual maximum load, providing the pallet stowing is completed by appropriate stowing straps.

3.2.2. GPI 2G1N; P/N: G1 13 03 2000 1300A reinforced nets; the pallet maximum load is limited to 10 260 kg (22620 Lb.). GPI 2G1N; P/N: G1 13 03 2000 1300A nets can be used with their usual maximum load, providing the pallet stowing is completed by appropriate stowing straps.

3.2.3. GPI 2K1N; P/N: K1 13 01 2000 1300A reinforced nets; the pallet maximum load is limited to 1135 kg (2500 Lb.). GPI 2K1N; P/N: K1 13 01 2000 1300A nets must not be used above this above mentioned load.

3.2.4. GPI 2L1N; P/N: L1 13 01 2000 1300A reinforced nets; the pallet maximum load is limited to 10 260 kg (3520 Lb.). GPI 2L1N; P/N: L1 13 01 2000 1300A nets must not be used above this above mentioned load.

3.3. Using for cargo restraint any GPI net subject of this AD is forbidden six (6) months after the effective date of this AD, original issue.

This Revision 1 replaces original AD 2002-367(B) dated July 10, 2002.

EFFECTIVE DATE:

Original AD:

Upon receipt from JULY 10, 2002

Revision 1: Upon receipt from November 27, 2002