



We help ideas meet the real world

EVALUATION CERTIFICATE

No. DK0199-Alibi-09.05

Object name **CSC3**

Object type Alibi Storage Device

Issued by **DELTA Danish Electronics, Light & Acoustics**
EU - Notified Body No. 0199

In accordance with The applicable requirements of the Measurement Instruments
Directive 2004/22/EC, and WELMEC Guide 7.2:2007

Issued to **Crisplant A/S**
P. O. Pedersens Vej 10
8200 Aarhus N
Denmark

Manufacturer Crisplant A/S

Characteristics An external Alibi Storage Device suitable for use with
automatic catchweighing instruments.

**Description and
documentation** The alibi storage device is described and documented in the
annex to this certificate.

Remarks Summary of tests involved: see annex.
This evaluation certificate cannot be quoted in an EU type ex-
amination certificate without permission of the holder of the cer-
tificate mentioned above.

The annex comprises 3 pages.

Issued on 11 September 2009

Signatory: J. Hovgård

DELTA
Danish Electronics,
Light & Acoustics

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. (+45) 72 19 40 00
Fax (+45) 72 19 40 01
www.delta.dk

VAT No. DK 12275110

1. General

The Data Storage device is designated CSC3 and used as an external alibi system for automatic catchweighing instruments at the regional parcel centres of DHL Poland.

2. Description

The CSC3 software realises in long term data storage for weight of parcels.

CSC3 receives measuring results packed in records with CRC checksum from the connected measuring instruments. CSC3 collects weight and parcel ID barcode for the parcel as it is transported through the induction line to the sorter, both controlled by the CSC3. The collected parcel information is placed in an alibi record protected with CRC checksum and stored in a data base. The data base is backed up at the start of each month to an external back-up media from which it can be restored to a separate “restored data base” area for lookup purposes.

The 16-bit CRC checksum is calculated using a private secret key.

The CSC3 has an “Alibi lookup” facility. Entering the ID barcode will search the entire data base - or the entire restored data base - for occurrences of the barcode and display the found record(s) together with indication of whether CRC check is ok or not.

Stored records are transferred to a host computer for invoicing of the parcel service. This transmission is not under legal control.

CSC3 has a system test function, where a series of test parcels with known weight and parcel ID barcode are sent through the parcel sorter to ensure that all legal information is collected correct, as collected information is compared with the parcel information a priori stored in CSC3. The result of the test shall be printed and kept in a log book.

The test shall be performed at least every 6 months and after service on the PC hosting CSC3 or the transmission network. At least two parcels shall be inducted over each automatic catchweighing instrument.

3. Technical data

CSC3 runs on a PC with Unix operating system and a data base server.

Alibi records are kept on the hard disk of the system for up to 1 month. Each month the alibi records are transferred to a removable back-up media (tape or CD).

Back-ups can be read back into the PC after which the “Alibi lookup” facility can be used on the back-up data to search for parcel data.

4. Measuring instruments to be connected

CSC3 is intended for use with automatic catchweighing instruments placed in automatic induction lines to the sorter.

5. Functions and facilities

- Receiving secured alibi records for connected measuring instruments.
- Secure storing of alibi records in database on disk.
- Back-up of stored alibi records to removable media.
- Restoring of alibi records from back-up media.
- Alibi lookup of stored records based on ID barcode number.

6. Interfaces and peripheral devices

The interfaces of the PC used by CSC3 are declared protective by the manufacturer.

7. Impositions and conditions

The CSC3 meets the requirements only when it is correctly loaded, displaying its identification (see Section 8).

Only but then CSC3 may be used for purposes subject to legal control.

8. Inscriptions and sealing

The size and checksum of the program modules responsible for handling legal data shall be the following, when displayed or printed by the CSC3.

SERVISCO, Poznan		dd/mm/yy hh:mm:ss	
Software Identification			
Description	Module	Checksum	Size
Critical RIC-software:			
Ric I	rici.abs	2397462695	86434
Ric C	ricc.abs	1547079981	50866
Ric D	ricd.abs	2129383427	65938
Critical S2000-software:			
Ucart task	ucart	2871496840	85484
Manilog task	manilog	0828963622	19228
Checksum MMI	mmichksum	1313141534	37068
System verification	verifycrc	0240052403	1951

No sealing of CSC3 software is to be performed, as CSC3 contains no type parameters (TP) and device parameters (DP).



9. Additional information for the EC verification

A copy of this test certificate has to be supplied at verification of connected measuring instruments

10. Documentation

The submitted documentation is filed at DELTA in file no. A530676, A530433, A530377, E830082, E830081 and E830071.

11. Examinations performed

The following examinations were accomplished:

- Examination of the submitted documentation.
- Examination of the software in accordance with WELMEC Guide 7.2 (2009), and Directive 2004/22/EC, Annex I, section 8.1 - 8.4 and 10.3.
- Examination of functional and operational behaviour at DHL's parcel centre in Poznań.

The examination is reported in the following test reports:

- DANAK-1910636, dated 11 September 2009, 28 pages.
- DANAK-1910094, dated 13 March 2008, 28 pages.
- DANAK-199871, dated 30 September 2007, 33 pages.
- DANAK-199858, dated 8 August 2007, 40 pages.
- DANAK-199816, dated 26 September 2006, 91 pages.
- DANAK-199760, dated 6 April 2005, 121 pages.
- DANAK-199732, dated 2 July 2004, 118 pages.