



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation Certificate of Approval No 6/4C/80

This is to certify that the approval for use for trade granted in respect of the

NCR Model 7870-2000 Weighing Instrument

submitted by NCR Corporation
2651 Satellite Blvd
Duluth GA 30136-5810
USA

has been cancelled in respect of new instruments as from 1 March 2001.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



National Standards Commission

Certificate of Approval

No 6/4C/80

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

NCR Model 7870-2000 Weighing Instrument

submitted by AT&T Global Information Solutions
(formerly NCR Australia Pty Ltd)
8-20 Napier Street
North Sydney NSW 2060.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 April 1998.

This approval expires in respect of new instruments on 1 April 1999.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/80 and only by persons authorised by the submitter.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 2 March 1993

- An NCR model 7870-2000 self-indicating weighing instrument of 9.995 kg maximum capacity. Instruments may also be known as AT&T model 7870-2000.

Technical Schedule No 6/4C/80 describes the pattern

Variant: approved 12 February 1996

1. With a maximum capacity of up to 13.995 kg.

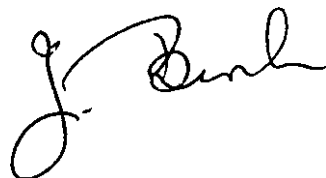
Technical Schedule No 6/4C/80 Variation No 1 describes variant 1.

FILING ADVICE

Certificate of Approval No 6/4C/80 dated 31 May 1993 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4C/80 dated 22 April 1996
Technical Schedule No 6/4C/80 dated 31 May 1993 (incl. Test Procedure)
Technical Schedule No 6/4C/80 Variation No 1 dated 22 April 1996
Figures 1 and 2 dated 31 May 1993

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to read 'J. Smith', is written over a horizontal line.



National Standards Commission

TECHNICAL SCHEDULE No 6/4C/80

Pattern: NCR Model 7870-2000 Weighing Instrument.

Submittor: NCR Australia Pty Ltd
8-20 Napier Street
North Sydney NSW 2060.

1. Description of Pattern

An NCR model 7870-2000 (*) self-indicating weighing instrument (Figure 1) of 9.995 kg maximum capacity with a verification scale interval of 0.005 kg, and with an inbuilt bar code scanning device. The instrument may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are fitted with a remote display, whether or not an integral display is also fitted. Figure 2 shows an instrument with a model 7825 remote display.

NOTE: (*) - The last 3 digits of the model number (7870-2###) may be numerals other than '0', but these represent features which are not metrologically significant.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e$ whenever the instrument comes to rest within $0.5e$ of zero.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Scanner

The instrument is fitted with an inbuilt laser scanner for reading bar codes.

1.4 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.5 Sealing Provision

Provision is made for the instrument to be sealed to prevent access to the internal calibration switches located under the platter.

1.6 Markings

The instrument is marked with the following data, together in one location under the removeable platter:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4C/80
Accuracy class	III
Maximum capacity	Max..... kg *
Minimum capacity	Min kg *
Verification scale interval	e = kg *

* These markings are repeated close to each reading face.

TEST PROCEDURE

Instruments should be tested in conjunction with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are:

$\pm 0.5e$ for loads from 0 to $500e$;
 $\pm 1.0e$ for loads over $500e$ up to $2000e$; and
 $\pm 1.5e$ for loads over $2000e$.

TECHNICAL SCHEDULE No 6/4C/80
VARIATION No 1

Pattern: NCR Model 7870-2000 Weighing Instrument.

Submittor: AT&T Global Information Solutions
(formerly NCR Australia Pty Ltd)
8-20 Napier Street
North Sydney NSW 2060.

1. Description of Variant 1

With a maximum capacity of up to 13.995 kg.

NOTIFICATION OF CHANGE

In Technical Schedule No 6/4C/80 dated 31 May 1993, the following changes should be made:

1. The text at the top of page 1 describing the submittor should be amended to read:

“Submittor: AT&T Global Information Solutions
(formerly NCR Australia Pty Ltd)
8-20 Napier Street
North Sydney NSW 2060.”

2. Clause 1. **Description of Pattern** should be amended by adding the following:

“Instruments may also be known as AT&T model 7870-2000.”



National Standards Commission
Notification of Change
Certificate of Approval No 6/4C/80
Change No 1

The following changes are made to the approval documentation for the

NCR Model 7870-2000 Weighing Instrument

submitted by AT&T Global Information Solutions
(formerly NCR Australia Pty Ltd)
8-20 Napier Street
North Sydney NSW 2060.

- (a) In Certificate of Approval No 6/4C/80 and its Technical Schedule Variation No 1, both dated 22 April 1996, and Technical Schedule No 6/4C/80 dated 31 May 1993, all references to the submitter should be amended to read;

NCR Corporation
2651 Satellite Blvd
Duluth GA 30136-5810
USA

- (b) In Certificate of Approval No 6/4C/80 dated 22 April 1996, the Condition of Approval referring to the expiry of the approval should now be deleted.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

FIGURE 6/4C/80 - 1



NCR Model 7870-2000 Weighing Instrument

6/4C/80
31/5/93

FIGURE 6/4C/80 - 2



Model 7870-2000 With Model 7825 Remote Display