

RW-015
JANUARY 2003

ENGINEERING AND OPERATIONS
NORTHERN AIRPORTS

SPECIFICATION FOR INTERNALLY ILLUMINATED
AIRFIELD GUIDANCE SIGNS FOR USE IN
AIRFIELD LIGHTING SYSTEMS

Manitoba
Transportation and
Government Services



**TRANSPORTATION AND GOVERNMENT SERVICES
NORTHERN AIRPORTS**

**SPECIFICATIONS FOR INTERNALLY ILLUMINATED
AIRFIELD GUIDANCE SIGNS**

1. SCOPE

- 1.01 This specification defines the general requirements applicable to Airfield Guidance signs. The intent of this specification is to establish minimum acceptable electrical, mechanical, design and performance requirements which all Airfield Guidance signs must meet to ensure satisfactory and reliable operation. It is not intended to impose restrictions upon design or materials which must conform to the FAA or Transport Canada TP 312 standard. All FAA and Transport Canada TP 312 standards, current FAA and Transport Canada TP 312 specifications at time of contract, not specifically mentioned in this specification will apply. Where there is a conflict between this specification and the latest FAA and Transport Canada TP 312 standard, this specification will apply.

2. REQUIREMENTS

- 2.01 Airfield Guidance Signs must be internally illuminated with 6.6A quartz halogen lamps and operate on a series circuit system. The number of lamps must be determined by the face dimensions of the Guidance Sign.
- 2.02 Airfield Guidance Signs must conform to Transport Canada TP 312 standards. Type, colour, size, quantity and mounting arrangements must be specified on the attached drawings and the actual purchase order.
- 2.03 Sign mounting assembly must be frangible couplings with base mounting flanges suitable for mounting on a concrete pad. (See Drawing #NAP-003) attached.
- 2.04 Secondary power assembly from the sign must be 2 CND #12 SOW cable. The secondary power cord must be complete with a FAA L823 style plug.
- 2.05 The Guidance Sign must be complete with a constant brightness transformer rated for the current of the combined lamp load. (Refer to Spec. #RW-005) attached.
- 2.06 High resolution reflective material must be used for the sign face.
- 2.07 Support legs must extend midway into the guidance sign body for greater stability.
- 2.08 Sign body must be fabricated in one piece (not modular).

3. WARRANTY

- 3.01 All units must be guaranteed against failure for one year from date of acceptance by the Traffic Engineering Branch of the Department of Transportation and Government Services.

4. INSPECTION AND ACCEPTANCE

- 4.01 All shipments of Airfield Guidance Signs must be delivered to the Mechanical Equipment Warehouse facility at 1550 Dublin Avenue, Winnipeg, Manitoba. At that time they will be inspected by the Traffic Engineering Branch of the Department of Transportation and Government Services.

Acceptance will be based on the supplied equipment meeting the requirements of this specification.

- 4.03 For additional technical information please contact Mark Seniuk at (204) 945-7335 office, or (204) 799-8682 cellular.