

RW-013  
JANUARY 2003

**ENGINEERING AND OPERATIONS**  
**NORTHERN AIRPORTS**

**SPECIFICATION FOR SERIES CIRCUIT LIGHTING**  
**SECONDARY CONNECTORS FOR USE IN**  
**MEDIUM INTENSITY AIRFIELD LIGHTING SYSTEMS**

Manitoba  
Transportation and  
Government Services



**TRANSPORTATION AND GOVERNMENT SERVICES  
NORTHERN AIRPORTS**

**SPECIFICATIONS FOR SERIES CIRCUIT LIGHTING  
SECONDARY CONNECTORS**

**1. SCOPE**

This specification defines the general requirements applicable to electrical secondary connectors. The intent of this specification is to establish minimum acceptable electrical, mechanical, design and performance requirements, which all electrical secondary connectors 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 Technical 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 Secondary connector kits will be in accordance with FAA Specifications L823.
- 2.02 The secondary connector (male) will be a Style 5 and the secondary connector (female) shall be Style 12 in accordance with FAA Specification L823.

**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 The vendor must supply one secondary connector sample unit of each type being supplied along with all testing and technical documentation.

Electrical secondary connectors that conform to this specification and which are not currently in use by this Department must be submitted to the Traffic Signals Workshop for a one-year evaluation period by the Department. At the end of the evaluation period the supplier shall be advise by the Traffic Operations Engineer if the equipment submitted for evaluation is acceptable.

The total cost of supplying this equipment for evaluation must be borne by the supplier. The bidder must complete the attached Specification Compliance Summary (attached E-081). Failure to complete the summary will result in disqualification from the bidding.

- 4.02 All shipments of electrical secondary connectors 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.