

INTRODUCTION VOLUME II

This volume has been assembled to assist user to search systematically for general and/or particular information about Air-Field-Lighting installation norms, specifications, standards and recommended engineering practices, as listed and published by various organizations and institutes involved in the making of rules, guidelines, and regulations, in order to enhance the safety of aviation, by standardization and improvement of reliability of the essential considered Airport Technical installations in particular AFL.

- Section 1** This section provides general and detailed Performance Criteria and installation information designed, prepared and assembled by ICAO. The informative details listed are addressed in various chapters of the ICAO Annexes and Aerodrome Design Manuals.
- Section 2** This section provides general and detailed Performance Criteria and Installation information designed, and produced by the FAA. The informative details listed are described in the various **Advisory Circulars** addressing Air-Field-Lighting.
- Section 3** This section provides general and detailed AFL Installation information produced and assembled by Military Authorities. Specifications listed are based on NATO/ USAF standards (**STANAG**).
- Section 4** This section. provides general and detailed Installation information designed, produced and assembled by various institutes and organizations, the informative details listed are described in the various engineering documents (IEC).
- Section 5** This section contains detailed specifications for equipment, parts and components quality tests
- Section 6** This section lists General and Particular Project and Contract conditions, considered a useful aid for possible Air-Field-Lighting projects or contracts to be drafted.
- Section 7** Lists ICAO based general AFL conditions and specifications, which could be used when preparing AFL projects and/or contracts (also called Consultants Specifications).
- Section 8** Lists FAA based general AFL conditions and specifications, which could be used when preparing AFL projects and/or contracts (also called Consultants Specifications).
- Section 9** Lists MIL-SPEC based general AFL conditions and specifications, which could be used when preparing Military AFL projects and/or contracts (also called Consultants Specifications).
- Drawings** Provides basic technical information in the form of **Drawings, Wiring diagrams and Installation details**. Each drawing shows a particular lay-out or a typical Lighting configuration, which are in accordance with recommended international accepted standards and recommended installation and engineering practices. The examples shown are complying with the **Aerodrome Design manuals and the Annexes as published by ICAO Military and FAA** approved lay-outs shown, however, may vary in practice depending on the type of Airport, and its typical characteristics (FAA), and/or (MIL) application.