

## PREFACE

Reasons to develop and produce a comprehensive Air-Field-Lighting (AFL) guide, using the database type form as format for the documents, was contemplated with various organizations and authorities, and was initiated in the 1991, during the time that publisher was employed by ICAO - HQ Montreal as Senior Aerodrome Engineer. In this capacity the departments of Technical Support and Procurement (TCB) were assisted by advising organizations and governments with design assignments, preparation of specifications, procurement of equipment and supervision of works in execution, in particular projects comprising typical Air-Field-Lighting (AFL) technology.

It is our intention that these AFL documents, will provide an actual and complete overview regarding the subject of **Air-Field-Lighting** in general and its many different engineering aspects in particular.

The AFL databank consist of two volumes.

- Volume I, contains general, technical and basic information about the registered Companies involved in the production and marketing of AFL related technology.  
This volume lists and highlights from companies, their base and country of origin, furthermore general and basic technical equipment details, compliance information and finally it provides examples of typical AFL configuration and lay-out drawings.
- Volume II, consists of three main parts, divided over nine sections:
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|---------------------|---|
| Section 1, 2 and 3  | contain, Performance and Compliance norms, standards and recommendations based on: ICAO Annexes/ADM's, the FAA AC's and the MIL-SPEC's.   |
| Sections 4, 5 and 6 | contain, AFL related Installation Standards, Quality Test Norms and recommended codes of practice based on: IEC, ASTM, DIN, ANSI standards, further are indicated General and Particular Project Conditions recommended for AFL projects. |
| Sections 7, 8 and 9 | contain, ICAO, FAA and Military based AFL project related installation and contract specifications, also called: Consultants specifications.  |

Volume I and II together form a comprehensive document, dealing with most of the aspects of Air-Field-Lighting engineering, The documents are updated regularly, being able therefore to provide adequate and useful considered information, regarding commercial and technical aspects and new developments in the field of AFL, related services and associated technologies.

The documents furthermore assists users in selecting systems, equipment, components, parts, services and in particular the applicable specifications, norms and standards.  
This office has been meticulous in collecting the essential data All companies and organizations listed are regularly approached with requests to provide detailed technical and general information about AFL technology.

It is the intention of this office to be as accurate as possible but, we are, however, well aware that the documents produced may contain some flaws, imperfections and in-accuracies due to the fact that not all organizations or institutes furnished the information requested.

It is expected that the level of the flaws and errors (if any) will be reduced or corrected in next editions.

All institutes and organizations are herewith invited, if errors, imperfections or omissions are detected, to notify this office by providing the correct information.

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