

ORDER

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

6850.8A

8/29/75
(Revised by
CHG 1 dated
4/12/76)

**MEDIUM-INTENSITY APPROACH LIGHTING SYSTEM WITH
SUBJ: RUNWAY ALIGNMENT INDICATOR LIGHTS (MALSR)**

1. PURPOSE. This order directs the use of the following standard drawings and Specification FAA-C-2626 to establish MALSR systems using components furnished under contract DOT-FA73WA-3277, and it incorporates requirements for remote radio control,

<u>Number</u>	<u>Date</u>	<u>Title</u>	
		<u>Medium Intensity Approach Lighting System</u>	
D-6045-0A	5/13/75	0'-0" to 40'-0" Mounting Height Title Sheet and Drawing Index	
D-6045-LA	5/13/75	Typical Plot Layout, Runway No., Airport Name, City, State	
* D-6045-2C	2/20/76	System Layout and Wiring Diagram	*
D-6045-3	1/24/75	5-Light Bar 0'-0" to 6'-0" Maximum Mounting Height, Electrical Details	
* D-6045-4A	1/24/75	Low-Impact Resistance Structure 6'-0" to 40'-0" Mounting Height, Electrical Details	*
D-6045-5A	1/24/75	Runway Alignment Indicator Light Sequenced Flasher, 0'-0" to 40'-0" Mounting Height, Electrical Details	
D-6045-6A	5/13/75	5-Light Bar and Sequenced Flasher 6'-0" to 40'-0" Mounting Height, Foundations	
D-6045-7B	5/13/75	Power and Control Station Equipment Details	*
D-6045-8A	5/13/75	Miscellaneous Details	
* D-6045-9B	5/13/75	Low-Impact Resistance Tower, Structural Erection and Details	*
* D-6045-10B	5/13/75	Low-Impact Resistance Tower Light Bar and Mounting Head	*

Distribution: WAF/AS-3; WFS/AT/LG/RD-2;
RAF/AS/AT/FS-3 (except AEU);
NC- 1

initiated By: AAF-560

<u>Number</u>	<u>Date</u>	<u>Title</u>
		<u>Medium-Intensity Approach Lighting System</u>
D-6045-11	5/13/75	Remote Radio Control Wiring Diagram, Ground-ground and Air-ground Combination System
D-6045-12	5/13/75	Remote Radio Control Wiring Diagram, Ground-ground
D-6045-13	5/13/75	Remote Radio Control Wiring Diagram, Air-ground System

2. DISTRIBUTION. This order is distributed to branch level in Airway Facilities and Airports Services and to division level in Flight Standards, Air Traffic, Logistics, and Systems Research and Development Services in the Washington headquarters; branch level in Airway Facilities, Airports, Air Traffic, and Flight Standards divisions in the regions (except AEU); and to the Director, NAFEC and the Aeronautical Center,

* 3. BACKGROUND. Drawings D-6045-0 thru D-6045-13 are issued to provide the proper installation of MALSR equipment manufactured by G.T.E. Sylvania Inc., under Contract No. DOT-FA73WA-3277, for MALSR frangible system mounting height of zero to 40'. (Tower structures of 6' to 40' will be procured by the regions, using FAA Specification FAA-E-2604. For tower structures 40' and above, new systems performance requirements are being developed.) The drawings reflect the requirements for remote radio control for: ground-ground and air-ground combination system, ground-ground system, and air-ground system. *

4. CANCELLATION. This order cancels Order 6850.8 dated 2/7/75. *

* 5. APPLICATION. Drawing D-6045-0 is a typical title sheet for project drawings. Drawing D-6045-1 shows a typical site layout plan and profile for MALSR system. This drawing is to be used as a guide and check-list for information that is required on the project site layout drawing. The access road and turnaround, which shall be constructed in accordance with access road drawings D-5980-1 and 2, are optional and should be site-determined by regional requirements. Actual siting of the system shall be in accordance with Order 6850.2, Visual Guidance Lighting System. Drawings D-6045-2 thru 13 have been developed as standard construction and electrical installation drawings for MALSR lighting system with low-impact resistance supporting structure as specified in FAA-E-2604 and installed in accordance with Specification FAA-C-2626. *