

**Administrative Order
No. 69
July 23, 1990**

SUBJECT: Submission of Full Aerial Photography by Holders of Timber License Agreements (TLAs) and Timber Production Sharing Agreements (TPSAs) Every Five (5) Years or Satellite Data Every Two (2) Years as Conditional Requirement for the Continuance of Their License/Agreement

1. In order to establish a true and reliable picture of the vegetative cover of the areas covered by existing Timber License Agreements (TLA) and as an additional requirement for the continuance of TLAs, a complete photo coverage of the license area shall be submitted by holders of such license agreement to the Department of Environment and Natural Resources (DENR) within one (1) year from the date of effectivity of this Order and every five (5) years thereafter. Holders of Timber Production Sharing Agreement (TPSA) which may hereafter be issued shall likewise submit aerial photos of the entire area covered by the TPSA within five (5) years from the grant of the agreement and every five (5) years thereafter. In lieu of complete aerial photocoverage, the TLA/TPSA holder may opt to submit the latest satellite image within one (1) year and submit another two years thereafter. The licensee's option shall be registered with the Acceptance Committee and may only be changed after six (6) years.
2. The following are the technical requirements for the required photography under this Order:
 - 2.1 The aerial photographs shall have an average scale of 1:25,000 with a maximum deviation of ± 20 % allowance for flying hazards for the plane and crew;
 - 2.2 Panchromatic black and white aerial photo films shall be used in the photography;
 - 2.3 Aerial photos shall be contact printed on 23 x 23 cm. (9" x 9") single weight paper with semi-matte finish;

- 2.4 Aerial print shall have an average forelap of 60 percent (60%) and sidelap of thirty percent (30%). The minimum and maximum sidelap is fifteen percent (15%) and forty percent (40%), respectively;
 - 2.5 Aerial photos shall be free from cloud cover. However, a maximum cloud cover of ten percent (10%) of the area of a photoprint may be allowed provided that no cloud cover shall be located within the photo center;
 - 2.6 Camera tilt and tip shall be kept to a minimum and not exceeding two percent (2%);
 - 2.7 Flight crabbing or deviation from the prescribed flight direction shall not exceed five percent (5%);
 - 2.8 Aerial photography shall be taken between 10:00 A.M. and 3:00 P.M. to avoid long and obscuring shadows of mountain peaks and ridges; and
 - 2.9 The aerial photography shall be completed, as much as possible, within three (3) months from start to finish.
3. The satellite image to be submitted must be either Landsat TM or SPOT image at 1:100,000 scale transparency taken within six (6) months from submission. Availment of other satellite products shall be cleared priorly with the DENR.
 4. The licensees or concessionaires are given the option to choose the aerial photo surveying contractor to undertake photography of their areas from a list of firms to be pre-qualified by the DENR.
 5. To minimize the cost of the aerial photography, two or more licensees whose areas are adjoining or near each other may jointly enter into contract with a single aerial photography contractor. In the case of satellite images, the joint submission may also be done.
 6. The completed aerial photographs or satellite images shall be submitted by the licensees to the ACCEPTANCE COMMITTEE to be created by the DENR which shall be primarily responsible for the consolidation and authentication of the photographs or satellite images. The Committee shall be composed of the representatives from the following offices:

Administrator, NAMRIA	-	Chairman
Director, FMB	-	Vice Chairman
Representative of USEC for Field Operations	-	Member
Representative, Planning and Policy Studies Office	-	- do -
Representative/s from the Regional Office concerned	-	- do -

7. The NAMRIA shall be responsible for the interpretation and/or analysis of the submitted aerial photographs/ satellite images, including mapping at appropriate scale. The cost of mapping and interpretation shall be jointly shouldered by DENR and PWPA.
8. Non-submission of the required aerial photographs/satellite images within the prescribed period shall be valid cause for the suspension of the timber license agreement.
9. Forestry Administrative Order No. 11-1, S. of 1971 and all Orders, Circulars, or directives inconsistent with this Order are hereby revoked or amended, accordingly.
10. This Order shall take effect fifteen (15) days after its publication in a newspaper of national circulation.

FULGENCIO S. FACTORAN, JR.
Secretary