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AEROPLANE REQUIRED TO BE EQUIPPED WITH AN AIRBORNE COLLISION AVOIDANCE SYSTEM (ACAS 11) AND PRESSURE-ALTITUDE REPORTING TRANSPONDERS

1. INTRODUCTION

- 1.1 The objective of this AIC is to inform all operating aeroplanes of maximum certificated take off mass in excess of 5700 kg or authorised to carry more than 19 passengers to the requirement of TCAS (II), and pressure altitude reporting transponder.
- 1.2 The ACAS evaluation as required by AIC 2 / 94 has been completed on 31 December 1995. There was no negative feed back reported from pilots or controllers.
2. In accordance with the Regulation 201 of the MCAR 1996 Annexes 1 to 18 issued by ICAO shall *ipso factor* apply to these regulations. Recently, ICAO Annex 6 has been amended to include ACAS II and altitude-pressure reporting transponders requirements. We therefore wish to notify all operators of the following :-
 - (i) From 1 January 2003, all turbine-engined aeroplanes of a maximum certificated take-off mass in excess of 15 000 kg or authorised to carry more than 30 passengers shall be equipped with an airborne collision avoidance system (ACAS II) and altitude pressure reporting transponders.
 - (ii) From 1 January 2005, all turbine-engined aeroplanes of a maximum certificated take-off mass in excess of 5 700 kg or authorised to carry more than 19 passengers shall be equipped with an airborne collision avoidance system (ACAS II) and altitude pressure reporting transponders.
3. Many operators have been approaching IATA and requesting information on the implementation plan of the mandatory carriage of ACAS and altitude-pressure reporting transponder by individual states. On this matter ICAO has conducted a survey and a table has been developed as attached. This table will be reviewed and updates when required by ICAO.
4. This requirements will apply to all Malaysian registered aircraft and it is issued for your information, guidance and necessary actions.

IR KOK SOO CHON
Director General
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Survey on Carriage of ACAS and Altitude Reporting Transponder

State	Has implemented or has a plan to implement?	Aeronautical Publication
Australia		
Bangladesh	YES: 01/1/2003	
Bhutan	YES: date no specified	
Brunei Darussalam	YES: 31/12/2000	
Cambodia		
China		
Cook Islands		
DPR Korea	YES: date not specified	
Fiji		
France (French Polynesia) (New Caledonia)	YES: 23/1/2003	
Hong Kong, China	YES: 01/1/2000	AIP-Hong Kong, GEN 1.5-2
India	YES: 01/1/1999	NOTAM G1030/98 dated 21/12/1998
Indonesia	YES: 01/1/2003	
Japan	YES: 04/1/2001	
Kiribati		
Lao PDR		
Macau, China	YES: 01/1/1998	AIC 05/B/97 dated 25/9/1997
Malaysia	YES: 01/12/2003	
Maldives	YES: 01/1/2000	Department Circular dated 14/9/1997
Marshall Islands		
Micronesia, Federated States of		
Mongolia		
Myanmar	NO	
Nauru		
Nepal	YES for international routes only: date not specified	
New Zealand	YES: 01/7/2000 for international air transport airplanes	
Pakistan	YES: 01/7/2001	AIP Supplement S05/1999 dated 12/8/1999
Palau		
Papua New Guinea		
Philippines	YES: evolutionary implementation from 31/12/2000 until 31/12/2003	
Republic of Korea	YES: 01/1/2003	
Samoa	YES: date not specified	
Singapore	YES: 01/1/2000	
Solomon Island		
Sri Lanka	NO	
Thailand	NO	
Tonga	YES: 11/7/2002	
U.S.A	YES: all passenger aircraft currently required to be equipped with ACAS (TCAS Version 6)	FAR Part 121
Vanuatu		
Viet Nam	YES: 01/1/2003	