



International Civil Aviation Organization

**The Twenty-First Meeting of the Regional Airspace Safety Monitoring
Advisory Group (RASMAG/21)**

Bangkok, Thailand, 14-17 June 2016

Agenda Item 5: Airspace Safety Monitoring Activities/Requirements in the Asia/Pacific Region

MAAR LTHM BURDEN ESTIMATE UPDATE

(Presented by Monitoring Agency for Asia Region)

SUMMARY

This paper presents the current monitoring burden for aircraft registered/operated by the 21 States assigned to MAAR to meet the Annex 6 Long Term Height Monitoring Requirements, as of 25 May 2016.

1. INTRODUCTION

1.1 To meet the ICAO Annex 6 Long-Term Height Monitoring (LTHM) Requirements, the MAAR undertakes monitoring programs using an in-flight GPS-based monitoring system and an ADS-B height monitoring system (AHMS) with ADS-B data from Bangkok and Taipei FIR.

1.2 To track the monitoring burden according to the Annex 6 LTHM requirements and the global Minimum Monitoring Requirements (MMR), the MAAR maintains a database of approvals and height monitoring history for aircraft registered within States under MAAR's responsibility. The height monitoring data derives from the MAAR's applied monitoring systems as well as monitoring data shared by other RMAs. This paper provides an update on the MAAR monitoring burden as of 25 May 2016.

2. DISCUSSION

2.1 The MAAR based the current monitoring burden on the 2015 annual RVSM approvals snapshots provided by State CAAs. MAAR would like to thank the 19 out of 21 States that provided MAAR with the annual snapshot in time for this report. **Table 1** contains a summary of RVSM Approval Data submission as an annual update for Period ending 2015.

State of Operator	Status
Afghanistan	Received
Bangladesh	Received
Bhutan	Received
Brunei Darussalam	Received
Cambodia	Received
China (Hong Kong)	Received
China (Macau)	Received
China (Taiwan)	Received
India	Not Received
Lao People's Democratic Republic	Received
Malaysia	Received
Maldives	Received
Mongolia	Received
Myanmar	Received
Nepal	Received
Pakistan	Received
Philippines	Received
Singapore	Received
Sri Lanka	Received
Thailand	Not Received
Viet Nam	Received

Table 1: Summary of State RVSM Approval Data Submission for period ending 2015

2.2 The resultant monitoring burden for the 2,340 approved aircraft from the 21 States is 670 airframes. **Appendix A** provides details of the remaining monitoring burden based on the 2015 Minimum Monitoring Requirements.

2.3 As of 25 May 2016, there are 172 airframes remaining to be monitored, a decrease of 1 airframe compared to the same period last year. MAAR has communicated the detailed remaining monitoring burden as listed in **Appendix A** to States CAAs for their necessary actions.

2.4 **Table 2** contains the remaining monitoring burden by States as of 25 May 2016, and **Figure 1** and **2** provide the list of States with remaining monitoring burden.

Row Labels	Fleet Size	Monitoring Requirement	Remaining Burden	% Remaining Monitoring Burden
Afghanistan	13	10	2	20%
Bangladesh	29	20	13	65%
Bhutan	5	4	3	75%
Brunei Darussalam	15	8	0	0%
Cambodia	14	6	0	0%
China (Hong Kong)	272	52	2	4%
China (Macau)	18	3	0	0%
India	517	197	33	17%
Lao PDR	4	2	0	0%
Malaysia	280	39	17	44%
Maldives	7	5	0	0%
Mongolia	5	4	0	0%
Myanmar	14	11	5	45%
Nepal	5	5	1	20%
Pakistan	78	42	27	64%
Singapore	202	29	2	7%
Sri Lanka	28	8	0	0%
Taiwan	216	49	6	12%
Thailand	332	108	46	42%
The Philippines	167	49	15	31%
Viet Nam	119	18	0	0%
Grand Total	2340	670	172	26%

Table 2: Summary of Monitoring Burden by State as 25 May 2016

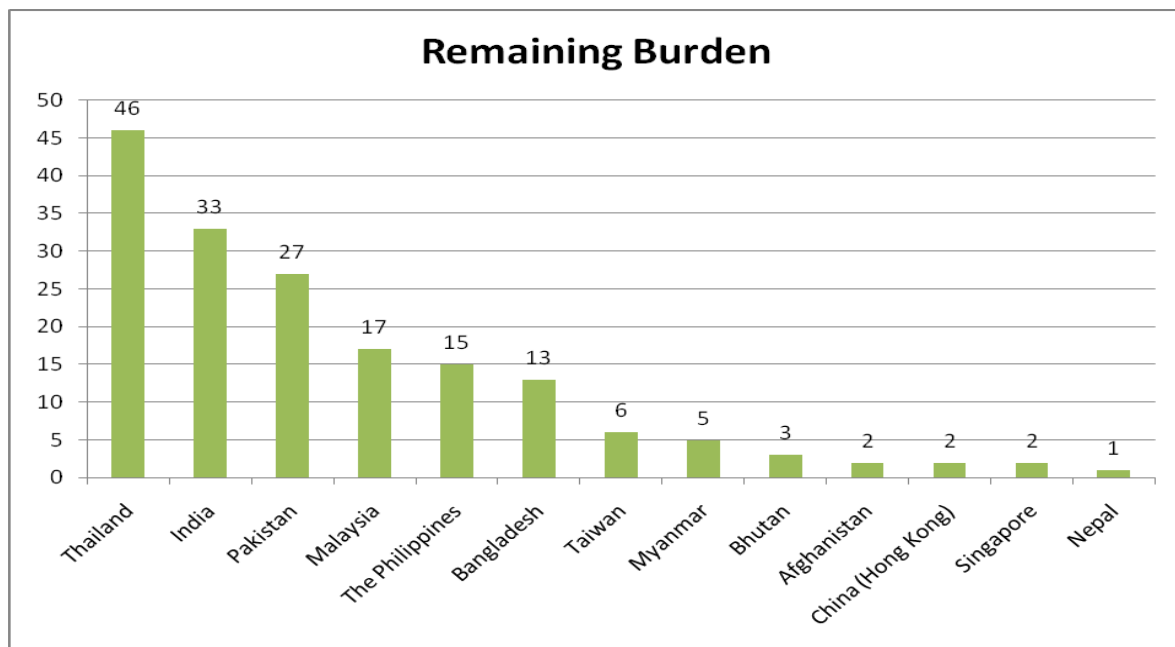


Figure 1: Number of aircraft remained to be monitored by States

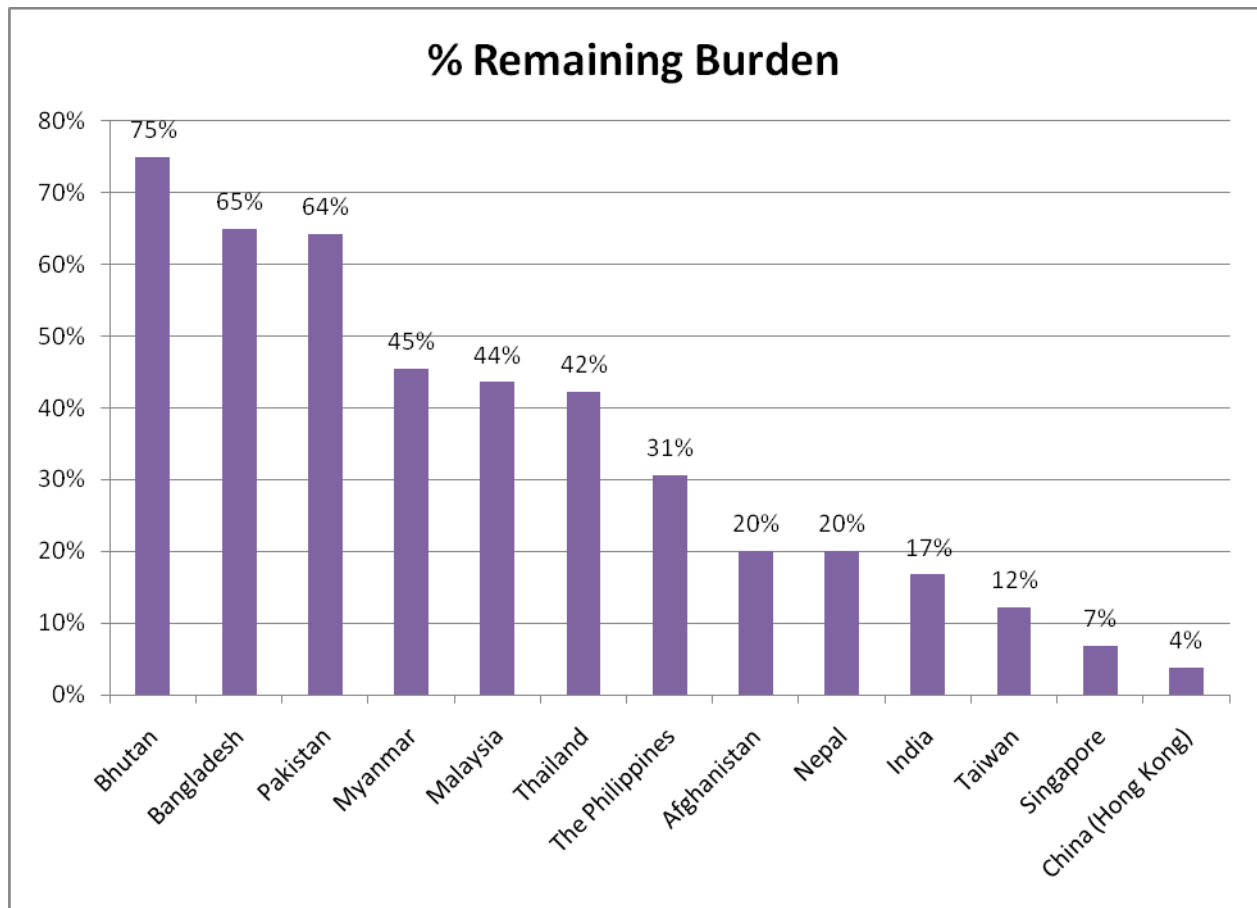


Figure 2: Percentage of aircraft remained to be monitored from the total monitoring burden by States

2.5 The percentage of monitoring burden remains high for Bhutan, Bangladesh, Pakistan and Thailand, as reported at RASMAG/20. The majority of monitoring was performed on major commercial aircraft operators flying in regions with ground-based monitoring systems. The remaining monitoring burden accounts for general aviation operators.

2.6 Myanmar introduced 2 new operators in 2015. However, no aircraft were height monitored since they have started operation in mid 2015, putting Myanmar at the top 10 States with highest remaining burden.

2.7 Hong Kong, Singapore and Taiwan had low/no reported outstanding height monitoring last year. The increase in monitoring burden in this reporting period is due to the introduction of new aircraft in early 2016. The remaining monitoring for these 3 States is expected to decrease by the end of the year as operators fulfill their initial height monitoring requirement.

2.8 Though the remaining monitoring burden for the Philippines still looks high on the report, MAAR would like to point out that the number has significantly decreased from 29 airframes in 2015 to 15 airframes in 2016.

2.9 In addition, MAAR would like to bring to the meeting's attention that about 51 operators with remaining monitoring burden have never had their entire fleet height monitored since they were first inducted (see Appendix B for a complete list). Only a few operators (from Hong Kong, Singapore, and Taiwan) are still within the 6 months period of the initial monitoring requirement. Other operators have had their aircraft as early as 2007. The majority of these operators have been reported in previous RASMAG meetings.

2.10 With the expected degradation in aircraft height keeping performance over time and without proper ASE measurement, one cannot be certain that the aircraft maintenance procedures adopted by aircraft operators can be effective; thus, affecting the safety in RVSM airspace. The MAAR would like to encourage States to follow up and/or put in place measures dealing with operators that still have an outstanding monitoring burden, especially operators who had never performed the initial height monitoring and were repeatedly reported to States/RASMAG meetings.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) review and comment on the issues raised regarding non-compliance of the initial and long-term height monitoring requirement discussed in paragraph 2.10 and propose a draft conclusion to APANPIRG requesting States to follow up on these issues; and
- c) discuss any relevant matters as appropriate.

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Appendix A: Monitoring Burden by States

Note: The highlighted rows represent operators with outstanding monitoring burden.

Afghanistan						
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden	
ARIANA AFGHAN AIRLINES	A310-GE	2	2	2	2	0
	B737CL	3	2	2	2	0
ARIANA AFGHAN AIRLINES Total		5	4	4	4	0
KAM AIR	B767	1	1	1	1	0
	MD80	3	2	2	0	2
KAM AIR Total		4	3	3	1	2
SAFI AIRWAYS	A320	3	2	2	2	0
	B767	1	1	1	1	0
SAFI AIRWAYS Total		4	3	3	3	0
Afghanistan Total		13	10	8	8	2
Bangladesh						
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden	
ARIRANG AVIATION LIMITED	P180	2	2	2	0	2
ARIRANG AVIATION LIMITED Total		2	2	2	0	2
BIMAN BANGLADESH AIRLINES	A310-PW	2	2	2	0	2
	B737NX	4	2	2	2	0
	B772	2	2	2	2	0
	B773	4	2	2	4	0
BIMAN BANGLADESH AIRLINES Total		12	8	8	8	2
NOVOAIR	E135-145	3	2	2	0	2
NOVOAIR Total		3	2	2	0	2
REGENT AIRWAYS	B737NX	3	2	2	1	1

Bangladesh

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
REGENT AIRWAYS Total		3	2	1	1
SKY CAPITAL AIRLINES LIMITED	B732	1	1	0	1
SKY CAPITAL AIRLINES LIMITED Total		1	1	0	1
UNITED AIRWAYS BANGLADESH	A310-PW	2	2	0	2
	MD80	5	2	0	2
UNITED AIRWAYS BANGLADESH Total		7	4	0	4
ZAINUL HAQUE SIKDER WOMENS MEDICAL COLLEGE & HOSPITAL (PVT) LTD. (DBA): R & R AVIATION	H25B-800	1	1	0	1
ZAINUL HAQUE SIKDER WOMENS MEDICAL COLLEGE & HOSPITAL (PVT) LTD. (DBA): R & R AVIATION Total		1	1	0	1
Bangladesh Total		29	20	9	13

Bhutan

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
BHUTAN AIRLINE	A320	2	2	0	2
BHUTAN AIRLINE Total		2	2	0	2
DRUK AIR - ROYAL BHUTAN AIRLINES	A320	3	2	1	1
DRUK AIR - ROYAL BHUTAN AIRLINES Total		3	2	1	1
Bhutan Total		5	4	1	3

Brunei Darussalam

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
GOVERNMENT OF BRUNEI	A340	1	1	1	0
	B744-10	1	1	1	0
	B767	1	1	1	0
GOVERNMENT OF BRUNEI Total		3	3	3	0

Brunei Darussalam

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
ROYAL BRUNEI AIRLINES	A320	8	2	8	0
	B787	4	3	4	0
ROYAL BRUNEI AIRLINES Total		12	5	12	0
Brunei Darussalam Total		15	8	15	0

Cambodia

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
BASSAKA AIR LIMITED	A320	2	2	2	0
BASSAKA AIR LIMITED Total		2	2	2	0
CAMBODIA ANGKOR AIR	A320	4	2	3	0
CAMBODIA ANGKOR AIR Total		4	2	3	0
SKY ANGKOR AIRLINES	A320	8	2	6	0
SKY ANGKOR AIRLINES Total		8	2	6	0
Cambodia Total		14	6	11	0

Hong Kong (China)

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AIR HONG KONG LTD.	A306	10	2	10	0
	B744-5	3	2	3	0
AIR HONG KONG LTD. Total		13	4	13	0
CATHAY PACIFIC AIRWAYS LTD.	A330	42	2	42	0
	A340	7	2	7	0
	B744-10	14	2	13	0
	B748	13	8	13	0
	B772	5	2	5	0
	B773	65	2	65	0

Hong Kong (China)

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
CATHAY PACIFIC AIRWAYS LTD. Total		146	18	145	0
CROWN ROUTE LIMITED	BD700	1	1	1	0
CROWN ROUTE LIMITED Total		1	1	1	0
FULL HILL LIMITED	GLF5	1	1	1	0
FULL HILL LIMITED Total		1	1	1	0
GOVERNMENT OF THE HKSAR	CL605	2	2	0	2
GOVERNMENT OF THE HKSAR Total		2	2	0	2
HONG KONG AIRLINES	A320	11	2	11	0
	A330	19	2	19	0
HONG KONG AIRLINES Total		30	4	30	0
HONG KONG AIRLINES CORPORATE JET MANAGEMENT LIMITED	GLF5	1	1	1	0
HONG KONG AIRLINES CORPORATE JET MANAGEMENT LIMITED Total		1	1	1	0
HONG KONG BELLAWINGS JET LIMITED	GLF4	1	1	1	0
	GLF5	1	1	1	0
HONG KONG BELLAWINGS JET LIMITED Total		2	2	2	0
HONG KONG DRAGON AIRLINES	A320	23	2	23	0
	A330	19	2	19	0
HONG KONG DRAGON AIRLINES Total		42	4	42	0
HONG KONG EXPRESS AIRWAYS LTD.	A320	13	2	13	0
HONG KONG EXPRESS AIRWAYS LTD. Total		13	2	13	0
METROJET LTD.	B737NX	1	1	1	0
	GLF4	2	2	2	0
	GLF5	8	2	8	0
	GLF6	1	1	1	0
METROJET LTD. Total		12	6	12	0
METROJET PRIVATE AIRCRAFT MANAGEMENT COMPANY LIMITED	GLF6	1	1	1	0
METROJET PRIVATE AIRCRAFT MANAGEMENT COMPANY LIMITED Total		1	1	1	0
TAG AVIATION ASIA LTD.	BD700	4	3	4	0

Hong Kong (China)					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
	GLEX	1		1	1
	GLF4	3		2	3
TAG AVIATION ASIA LTD. Total		8		6	8
Hong Kong (China) Total		272		52	269

Macao (China)					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AIR MACAU	A320	17		2	17
AIR MACAU Total		17		2	17
MACAU JET INTERNATIONAL CO., LTD.	F2TH	1		1	1
MACAU JET INTERNATIONAL CO., LTD. Total		1		1	1
Macao (China) Total		18		3	18

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
ABG RESOURCES PRIVATE LIMITED	H25B-800	1		1	0
ABG RESOURCES PRIVATE LIMITED Total		1		1	0
ACCURATE COMMODEAL PRIVATE LIMITED	BE40	1		1	1
ACCURATE COMMODEAL PRIVATE LIMITED Total		1		1	1
AIR CHARTER SERVICES PRIVATE LIMITED	C56X	1		1	1
AIR CHARTER SERVICES PRIVATE LIMITED Total		1		1	1
AIR COSTA	E170-190	4		2	2
AIR COSTA Total		4		2	2
AIR INDIA	A320	68		2	16
	A330	2		2	2
	B744-10	5		2	3

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
	B772	4	2	4	0
	B773	11	2	11	0
	B787	21	13	21	0
AIR INDIA Total		111	23	57	0
AIR INDIA EXPRESS	B737NX	21	2	19	0
AIR INDIA EXPRESS Total		21	2	19	0
AIR ONE AVIATION PVT	C56X	1	1	1	0
	E135-145	2	2	2	0
	E170-190	1	1	1	0
AIR ONE AVIATION PVT Total		4	4	4	0
AIRCAR AIRLINES PRIVATE LIMITED	C56X	1	1	1	0
	P180	1	1	0	1
AIRCAR AIRLINES PRIVATE LIMITED Total		2	2	1	1
AIRMID AVIATION SERVICES PVT LTD.	C550-B	1	1	1	0
	CARJ	1	1	1	0
	CL604	1	1	1	0
AIRMID AVIATION SERVICES PVT LTD. Total		3	3	3	0
ALLIANCE AIR	CRJ7	4	2	2	0
ALLIANCE AIR Total		4	2	2	0
AR AIRWAYS PVT LTD.	C550-II	3	2	2	0
	C56X	1	1	1	0
	CARJ	1	1	1	0
	F2TH	2	2	2	0
AR AIRWAYS PVT LTD. Total		7	6	6	0
AVANTHA HOLDINGS LIMITED	GLF5	1	1	1	0
AVANTHA HOLDINGS LIMITED Total		1	1	1	0
B.G.SHIRKE CONSTRUCTION TECHNOLOGY PVT LTD	H25B-800	2	2	2	0
B.G.SHIRKE CONSTRUCTION TECHNOLOGY PVT LTD Total		2	2	2	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
BAJAJ AUTO LIMITED	BD700	2	2	2	0
BAJAJ AUTO LIMITED Total		2	2	2	0
BAJAJ AVIATION PRIVATE LIMITED	F2TH	1	1	1	0
BAJAJ AVIATION PRIVATE LIMITED Total		1	1	1	0
BHARAT FORGE LTD.	F900	1	1	1	0
	GLEX	1	1	1	0
BHARAT FORGE LTD. Total		2	2	2	0
BHUSHAN AVIATION LIMITED	C56X	1	1	1	0
BHUSHAN AVIATION LIMITED Total		1	1	1	0
BLUEDART AVIATION LIMITED	B732	1	1	0	1
	B752	5	2	2	0
BLUEDART AVIATION LIMITED Total		6	3	2	1
BORDER SECURITY FORCE	E135-145	1	1	1	0
BORDER SECURITY FORCE Total		1	1	1	0
BUSINESS JETS INDIA PRIVATE LIMITED	C25A	1	1	0	1
	H25B-800	1	1	0	1
BUSINESS JETS INDIA PRIVATE LIMITED Total		2	2	0	2
CIVIL AVIATION DEPARTMENT GOVT OF UTTAR PRADESH	H25B-800	1	1	1	0
CIVIL AVIATION DEPARTMENT GOVT OF UTTAR PRADESH Total		1	1	1	0
COROMANDEL TRAVELS	F2TH	1	1	1	0
	H25B-800	1	1	1	0
COROMANDEL TRAVELS Total		2	2	2	0
DECCAN CHRONICLES HOLDING LTD	BE40	1	1	0	1
DECCAN CHRONICLES HOLDING LTD Total		1	1	0	1
DECORE EXXOILS PVT LTD	LJ60	1	1	1	0
DECORE EXXOILS PVT LTD Total		1	1	1	0
DLF LTD.	GLF4	1	1	1	0
DLF LTD. Total		1	1	1	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
DOVE AIRLINES PVT LTD.	C25A	1	1	0	1
DOVE AIRLINES PVT LTD. Total		1	1	0	1
EIH LTD.	H25B-700	1	1	0	1
	H25B-800	1	1	1	0
EIH LTD. Total		2	2	1	1
EMERALD HAVEN AVIATION SERVICES LTD.	GALX	1	1	1	0
	PRM1	1	1	1	0
EMERALD HAVEN AVIATION SERVICES LTD. Total		2	2	2	0
EON AVIATION PVT. LTD.	BD700	1	1	1	0
	CL604	1	1	0	1
EON AVIATION PVT. LTD. Total		2	2	1	1
ESSAR SHIPPING LTD.	GLF5	1	1	1	0
ESSAR SHIPPING LTD. Total		1	1	1	0
EUROPEAN PROJECTS AND AVIATION PVT. LTD.	F2TH	1	1	0	1
EUROPEAN PROJECTS AND AVIATION PVT. LTD. Total		1	1	0	1
FLEX INDUSTRIES LTD.	C56X	1	1	0	1
FLEX INDUSTRIES LTD. Total		1	1	0	1
FLY-BY-WIRE INTERNATIONAL PVT LTD	CL605	1	1	1	0
FLY-BY-WIRE INTERNATIONAL PVT LTD Total		1	1	1	0
FORCE MOTORS LTD	BD100	1	1	1	0
FORCE MOTORS LTD Total		1	1	1	0
FORUM 1 AVIATION PRIVATE LIMITED	H25B-800	2	2	2	0
FORUM 1 AVIATION PRIVATE LIMITED Total		2	2	2	0
FREEDOM CHARTER SERVICES PVT LTD	H25B-800	1	1	1	0
FREEDOM CHARTER SERVICES PVT LTD Total		1	1	1	0
FUTURA TRAVELS LTD.	GALX	1	1	1	0
	H25B-800	1	1	1	0
FUTURA TRAVELS LTD. Total		2	2	2	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
GMR AVIATION PVT LTD.	F2TH	1	1	1	0
	H25B-700	1	1	1	0
GMR AVIATION PVT LTD. Total		2	2	2	0
GO AIR PVT LTD.	A320	13	2	3	0
GO AIR PVT LTD. Total		13	2	3	0
GOLDEN WINGS PVT LTD.	BD100	1	1	0	1
GOLDEN WINGS PVT LTD. Total		1	1	0	1
GOVERNMENT OF MAHARASHTRA	C56X	1	1	1	0
GOVERNMENT OF MAHARASHTRA Total		1	1	1	0
GOVERNMENT OF TAMILNADU	C560	1	1	0	1
GOVERNMENT OF TAMILNADU Total		1	1	0	1
GRASIM INDUSTRIES LTD.	C56X	1	1	1	0
GRASIM INDUSTRIES LTD. Total		1	1	1	0
GVK LIMITED	F2TH	1	1	1	0
GVK LIMITED Total		1	1	1	0
HIMALAYAPUTRA AVIATION LIMITED	H25B-700	1	1	1	0
HIMALAYAPUTRA AVIATION LIMITED Total		1	1	1	0
HINDALCO INDUSTRIES LIMITED	C25A	1	1	1	0
	GLF5	1	1	1	0
HINDALCO INDUSTRIES LIMITED Total		2	2	2	0
HINDUSTAN CONSTRUCTION COMPANY LIMITED	HA4T	1	1	1	0
HINDUSTAN CONSTRUCTION COMPANY LIMITED Total		1	1	1	0
INDIA FLYSAFE AVIATION LIMITED	C25A	1	1	1	0
	E135-145	1	1	1	0
	GLEX	1	1	1	0
INDIA FLYSAFE AVIATION LIMITED Total		3	3	3	0
INDIAN METALS & FERRO ALLOYS LIMITED	C25A	1	1	1	0
INDIAN METALS & FERRO ALLOYS LIMITED Total		1	1	1	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
INDIGO AIRLINES	A320	97	2	79	0
INDIGO AIRLINES Total		97	2	79	0
INTERNATIONAL AIR CHARTER OPERATIONS INDIA PVT LTD	C25A	1	1	1	0
INTERNATIONAL AIR CHARTER OPERATIONS INDIA PVT LTD Total		1	1	1	0
INVISION AIR SERVICES PVT. LTD.	E50P	1	1	1	0
INVISION AIR SERVICES PVT. LTD. Total		1	1	1	0
IRM LIMITED	C510	1	1	1	0
IRM LIMITED Total		1	1	1	0
JET AIRWAYS	A330	8	2	8	0
	B737NX	68	2	38	0
	B773	4	2	4	0
JET AIRWAYS Total		80	6	50	0
JETLITE (INDIA) LTD.	B737NX	8	2	2	0
JETLITE (INDIA) LTD. Total		8	2	2	0
JINDAL STEEL & POWER LIMITED	C56X	1	1	1	0
	GLEX	1	1	1	0
JINDAL STEEL & POWER LIMITED Total		2	2	2	0
JOYJETS LIMITED	E55P	1	1	1	0
JOYJETS LIMITED Total		1	1	1	0
JSW STEEL LTD.	BD100	1	1	1	0
JSW STEEL LTD. Total		1	1	1	0
JUPITER AVIAITON SERVICES PRIVATE LIMITED	BD100	1	1	0	1
JUPITER AVIAITON SERVICES PRIVATE LIMITED Total		1	1	0	1
KALYAN JEWELLERS INDIA PVT. LTD.	E135-145	1	1	1	0
	E50P	1	1	1	0
KALYAN JEWELLERS INDIA PVT. LTD. Total		2	2	2	0
KARNAVATI AVIATION PRIVATE LIMITED	CL605	1	1	1	0
	E135-145	1	1	1	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
	H25B-800	1	1	1	0
KARNAVATI AVIATION PRIVATE LIMITED Total		3	3	3	0
KESTREL AVIATION PVT. LTD.	C550-B	1	1	0	1
KESTREL AVIATION PVT. LTD. Total		1	1	0	1
KINGFISHER AIRLINES LTD.	A320	2	2	0	2
KINGFISHER AIRLINES LTD. Total		2	2	0	2
KRISHNAPATNAM PORT COMPANY LTD	E135-145	1	1	1	0
KRISHNAPATNAM PORT COMPANY LTD Total		1	1	1	0
L & T AVIATION SERVICES PVT. LTD	H25B-800	2	2	2	0
L & T AVIATION SERVICES PVT. LTD Total		2	2	2	0
LIGARE AVIATION LTD	F2TH	2	2	2	0
	FA7X	1	1	1	0
LIGARE AVIATION LTD Total		3	3	3	0
M/S ABHIJEET PROJECTS LIMITED	CL600	1	1	0	1
M/S ABHIJEET PROJECTS LIMITED Total		1	1	0	1
M/S ASHLEY AVIATION LTD.	F2TH	1	1	1	0
M/S ASHLEY AVIATION LTD. Total		1	1	1	0
M/S MAHINDRA & MAHINDRA LIMITED	LJ60	1	1	1	0
M/S MAHINDRA & MAHINDRA LIMITED Total		1	1	1	0
MANIPAL HEALTH SYSTEMS	BD100	1	1	1	0
MANIPAL HEALTH SYSTEMS Total		1	1	1	0
MODERN ROAD MAKERS PVT LTD	HA4T	1	1	1	0
MODERN ROAD MAKERS PVT LTD Total		1	1	1	0
MSPL LTD.	P180	1	1	1	0
MSPL LTD. Total		1	1	1	0
ORBIT AVIATION	C25A	1	1	1	0
	G150	1	1	1	0
ORBIT AVIATION Total		2	2	2	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
PINNACLE AIR PVT LTD.	C25A	1	1	1	0
	P180	1	1	0	1
PINNACLE AIR PVT LTD. Total		2	2	1	1
POONAWALLA AVIATION	F900	1	1	0	1
	GLF5	1	1	1	0
POONAWALLA AVIATION Total		2	2	1	1
PRIVILEGE AIRWAYS PVT. LTD. MUMBAI	BD100	1	1	0	1
	F2TH	1	1	1	0
PRIVILEGE AIRWAYS PVT. LTD. MUMBAI Total		2	2	1	1
PUNJ LLOYD AVIATION LTD.	GALX	1	1	0	1
PUNJ LLOYD AVIATION LTD. Total		1	1	0	1
QUICK FLIGHT LIMITED	LJ45	1	1	1	0
QUICK FLIGHT LIMITED Total		1	1	1	0
RAINBOW AIR PVT. LTD.	C56X	1	1	0	1
RAINBOW AIR PVT. LTD. Total		1	1	0	1
RAMESH PRASAD SAO	F2TH	1	1	1	0
RAMESH PRASAD SAO Total		1	1	1	0
RAYMOND LTD.	CL604	1	1	1	0
RAYMOND LTD. Total		1	1	1	0
RELIANCE COMMERCIAL DEALERS LTD.	A320	1	1	1	0
	E135-145	1	1	1	0
	F900	2	2	2	0
	GLEX	3	2	3	0
	H25B-800	1	1	0	1
RELIANCE COMMERCIAL DEALERS LTD. Total		8	7	7	1
RELIANCE TRANSPORT & TRAVELS PVT. LTD.	BD700	1	1	1	0
	E135-145	1	1	0	1
	F2TH	1	1	1	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
RELIANCE TRANSPORT & TRAVELS PVT. LTD. Total		3	3	2	1
SIMM SMM AIRWAYS	PRM1	1	1	1	0
SIMM SMM AIRWAYS Total		1	1	1	0
SOBHA PURAVANKARA AVIATION PVT. LTD.	GALX	1	1	1	0
SOBHA PURAVANKARA AVIATION PVT. LTD. Total		1	1	1	0
SPAN AIR	H25B-800	1	1	1	0
	PRM1	1	1	0	1
SPAN AIR Total		2	2	1	1
SPICE JET LTD.	B737C	2	2	0	2
	B737NX	20	2	17	0
SPICE JET LTD. Total		22	4	17	2
SRC AVIATION (P) LTD.	H25B-800	1	1	1	0
SRC AVIATION (P) LTD. Total		1	1	1	0
SSP AVIATION PRIVATE LIMITED	CL604	1	1	0	1
SSP AVIATION PRIVATE LIMITED Total		1	1	0	1
STEEL AUTHORITY OF INDIA LTD.	H25B-750	1	1	1	0
STEEL AUTHORITY OF INDIA LTD. Total		1	1	1	0
SUN TV NETWORK LTD.	GLEX	1	1	1	0
SUN TV NETWORK LTD. Total		1	1	1	0
SUPERTECH AVIATION PRIVATE LIMITED	C25A	1	1	1	0
SUPERTECH AVIATION PRIVATE LIMITED Total		1	1	1	0
TAJ AIR PVT LTD.	F2TH	2	2	2	0
	P180	1	1	1	0
TAJ AIR PVT LTD. Total		3	3	3	0
TANEJA AEROSPACE & AVIATION LTD.	C25A	1	1	1	0
TANEJA AEROSPACE & AVIATION LTD. Total		1	1	1	0
TRIVENI EARTH MOVERS PRIVATE LIMITED	LJ45	1	1	1	0
TRIVENI EARTH MOVERS PRIVATE LIMITED Total		1	1	1	0

India					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
TURBO AVIATION PVT. LTD.	C25A	1	1	1	0
	C525	1	1	0	1
	E50P	1	1	1	0
TURBO AVIATION PVT. LTD. Total		3	3	2	1
TV SUNDRAM IYENGAR AND SONS LIMITED	E50P	1	1	0	1
	P180	1	1	1	0
TV SUNDRAM IYENGAR AND SONS LIMITED Total		2	2	1	1
TVS MOTOR COMPANY	C25A	1	1	1	0
TVS MOTOR COMPANY Total		1	1	1	0
UNIVERSAL AIRWAYS (P) LTD.	C650	1	1	1	0
UNIVERSAL AIRWAYS (P) LTD. Total		1	1	1	0
UTTAR PRADESH GOVERNMENT	PRM1	1	1	0	1
UTTAR PRADESH GOVERNMENT Total		1	1	0	1
VENKATESHWARA HATCHERIES PVT. LTD.	H25B-800	1	1	1	0
VENKATESHWARA HATCHERIES PVT. LTD. Total		1	1	1	0
VM AVIATION PVT. LTD.	LJ60	1	1	1	0
VM AVIATION PVT. LTD. Total		1	1	1	0
VRL LOGISTICS LTD.	PRM1	2	2	2	0
VRL LOGISTICS LTD. Total		2	2	2	0
WELSPUN LOGISTICS LTD.	BE40	1	1	0	1
WELSPUN LOGISTICS LTD. Total		1	1	0	1
ZEE ENTERPRISES LIMITED	H25B-800	1	1	1	0
ZEE ENTERPRISES LIMITED Total		1	1	1	0
ZEST AVIATION PVT. LTD.	CL600	1	1	1	0
	E50P	1	1	1	0
ZEST AVIATION PVT. LTD. Total		2	2	2	0
India Total		517	197	353	33

Lao					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
LAO AIRLINES	A320	4	2	4	0
LAO AIRLINES Total		4	2	4	0
Lao Total		4	2	4	0
Malaysia					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AIR ASIA	A320	85	2	82	0
AIR ASIA Total		85	2	82	0
AIR ASIA X	A330	22	2	22	0
AIR ASIA X Total		22	2	22	0
BERJAYA AIR SDN. BHD.	BD100	1	1	0	1
	BD700	1	1	1	0
BERJAYA AIR SDN. BHD. Total		2	2	1	1
CATERHAMJET	GLEX	1	1	1	0
CATERHAMJET Total		1	1	1	0
DEPARTMENT OF CIVIL AVIATION MALAYSIA	LJ60	2	2	0	2
DEPARTMENT OF CIVIL AVIATION MALAYSIA Total		2	2	0	2
DYMM TUNKU IBRAHIM ISMAIL IBNI SULTAN ISKANDAR	GLF4	1	1	0	1
DYMM TUNKU IBRAHIM ISMAIL IBNI SULTAN ISKANDAR Total		1	1	0	1
EAGLEXPRESS AIR	B744-10	3	2	3	0
EAGLEXPRESS AIR Total		3	2	3	0
FIREFLY	B737CL	1	1	0	1
	B737NX	1	1	1	0
FIREFLY Total		2	2	1	1
GADING SARI AVIATION SERVICES SDN BHD	B737CL	2	2	0	2
GADING SARI AVIATION SERVICES SDN BHD Total		2	2	0	2

Malaysia					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
GENERAL AVIATION	B737CL	1	1	0	1
GENERAL AVIATION Total		1	1	0	1
HORNBILL SKYWAYS SDN. BHD.	CL605	1	1	0	1
HORNBILL SKYWAYS SDN. BHD. Total		1	1	0	1
JET PREMIER ONE (M) SDN BHD	A320	1	1	1	0
JET PREMIER ONE (M) SDN BHD Total		1	1	1	0
MALAYSIA AIRLINES	A330	27	2	20	0
	A380	6	2	6	0
	B727	1	1	0	1
	B737CL	23	2	0	2
	B737NX	57	2	55	0
	B744-10	9	2	2	0
	B772	11	2	8	0
MALAYSIA AIRLINES Total		134	13	91	3
MALAYSIAN JET SERVICES	GLF4	1	1	0	1
MALAYSIAN JET SERVICES Total		1	1	0	1
MALINDO AIR	B737NX	16	2	15	0
MALINDO AIR Total		16	2	15	0
NEPTUNE AIR	B737CL	1	1	0	1
NEPTUNE AIR Total		1	1	0	1
RAYA AIRWAYS	B752	1	1	0	1
RAYA AIRWAYS Total		1	1	0	1
TRANSMILE	B727	4	2	0	2
TRANSMILE Total		4	2	0	2
Malaysia Total		280	39	217	17

Maldives					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
ISLAND AVIATION SERVICES LTD.	A320	2	2	2	0
ISLAND AVIATION SERVICES LTD. Total		2	2	2	0
MEGA GLOBAL AIR SERVICES (MALDIVES) PRIVATE LIMITED	B752	1	1	1	0
	B767	4	2	4	0
MEGA GLOBAL AIR SERVICES (MALDIVES) PRIVATE LIMITED Total		5	3	5	0
Maldives Total		7	5	7	0

Mongolia					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
MIAT MONGOLIAN AIRLINES	B737NX	3	2	3	0
	B767	2	2	2	0
MIAT MONGOLIAN AIRLINES Total		5	4	5	0
Mongolia Total		5	4	5	0

Myanmar					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AIR MANDALAY	E135-145	2	2	0	2
AIR MANDALAY Total		2	2	0	2
FMI AIR	CARJ	3	2	0	2
FMI AIR Total		3	2	0	2
GOLDEN MYANMAR AIRLINES	A320	1	1	1	0
GOLDEN MYANMAR AIRLINES Total		1	1	1	0
MYANMA AIRWAYS	B737NX	2	2	2	0
	E170-190	2	2	1	1
MYANMA AIRWAYS Total		4	4	3	1
MYANMAR AIRWAYS INTERNATIONAL	A320	4	2	4	0

Myanmar

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
MYANMAR AIRWAYS INTERNATIONAL Total		4	2	4	0
Myanmar Total		14	11	8	5

Nepal

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
HIMALAYA AIRLINES	A320	1	1	0	1
HIMALAYA AIRLINES Total		1	1	0	1
ROYAL NEPAL AIRLINES	A320	2	2	2	0
	B752	2	2	2	0
ROYAL NEPAL AIRLINES Total		4	4	4	0
Nepal Total		5	5	4	1

Pakistan

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AHS AIR INTERNATIONAL (PVT) LTD	B747CL	2	2	2	0
AHS AIR INTERNATIONAL (PVT) LTD Total		2	2	2	0
AIR BLUE	A320	3	2	0	2
AIR BLUE Total		3	2	0	2
AIR INDUS	B737CL	3	2	0	2
AIR INDUS Total		3	2	0	2
K K AVIATION PVT LIMITED	E135-145	1	1	1	0
	HA4T	1	1	0	1
K K AVIATION PVT LIMITED Total		2	2	1	1
KINGCRETE ASSOCIATES BAHRIA TOWN (PVT) LTD	BE40	1	1	1	0
	HA4T	1	1	1	0
KINGCRETE ASSOCIATES BAHRIA TOWN (PVT) LTD Total		2	2	2	0

Pakistan					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
LUCKY AIR PRIVATE LIMITED	LJ60	1	1	0	1
LUCKY AIR PRIVATE LIMITED Total		1	1	0	1
OMNI AVIATION	BE40	1	1	0	1
OMNI AVIATION Total		1	1	0	1
PAK ARAB FERTILIZERS LTD. MULTAN	C25B	1	1	0	1
	CL605	1	1	1	0
PAK ARAB FERTILIZERS LTD. MULTAN Total		2	2	1	1
PAKISTAN AIRLINES	A310-GE	4	2	1	1
	A310-PW	4	2	0	2
	A320	11	2	0	2
	B747CL	1	1	0	1
	B772	8	2	8	0
	B773	3	2	3	0
PAKISTAN AIRLINES Total		31	11	12	6
PAKISTAN AVIATORS & AVIATION	BE20	1	1	0	1
	G150	1	1	0	1
	GALX	1	1	0	1
PAKISTAN AVIATORS & AVIATION Total		3	3	0	3
PHOENIX AVIATION	BE40	1	1	0	1
PHOENIX AVIATION Total		1	1	0	1
PRINCELY JETS (PVT) LTD.	C550-B	1	1	0	1
	CL604	1	1	1	0
PRINCELY JETS (PVT) LTD. Total		2	2	1	1
SHAHEEN INTERNATIONAL	A320	8	2	1	1
	A330	3	2	3	0
	B737CL	9	2	0	2
SHAHEEN INTERNATIONAL Total		20	6	4	3
VIP FLIGHT GOVERNMENT OF BALOCHISTAN	LJ45	1	1	0	1

Pakistan					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
VIP FLIGHT GOVERNMENT OF BALOCHISTAN Total		1	1	0	1
VIP PUNJAB	BE40	1	1	0	1
VIP PUNJAB Total		1	1	0	1
VIP SINDH	LJ45	1	1	0	1
VIP SINDH Total		1	1	0	1
VISION AIR INTERNATIONAL PRIVATE LIMITED	B732	1	1	0	1
	B737CL	1	1	0	1
VISION AIR INTERNATIONAL PRIVATE LIMITED Total		2	2	0	2
Pakistan Total		78	42	23	27

Singapore					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
JETSTAR ASIA AIRWAYS PTE LTD.	A320	18	2	18	0
JETSTAR ASIA AIRWAYS PTE LTD. Total		18	2	18	0
SCOOT PRIVATE LIMITED	B772	2	2	2	0
	B787	11	7	10	0
SCOOT PRIVATE LIMITED Total		13	9	12	0
SILKAIR (SINGAPORE) PTE LTD.	A320	15	2	15	0
	B737NX	15	2	14	0
SILKAIR (SINGAPORE) PTE LTD. Total		30	4	29	0
SINGAPORE AIRLINES CARGO	B744-10	9	2	9	0
SINGAPORE AIRLINES CARGO Total		9	2	9	0
SINGAPORE AIRLINES LTD.	A330	29	2	29	0
	A350	2	2	0	2
	A380	19	2	19	0
	B772	24	2	22	0
	B773	33	2	33	0

Singapore

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
SINGAPORE AIRLINES LTD. Total		107	10	103	2
TIGER AIRWAYS	A320	25	2	25	0
TIGER AIRWAYS Total		25	2	25	0
Singapore Total		202	29	196	2

Sri Lanka

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
FITSAIR	MD80	1	1	1	0
FITSAIR Total		1	1	1	0
MIHIN LANKA	A320	4	2	3	0
MIHIN LANKA Total		4	2	3	0
SRILANKAN AIRLINES	A320	8	2	6	0
	A330	14	2	14	0
	A340	1	1	1	0
SRILANKAN AIRLINES Total		23	5	21	0
Sri Lanka Total		28	8	25	0

Taiwan

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AEROSPACE INDUSTRIAL DEVELOPMENT CORPORATION (AIDC)	ASTR-SPX	2	2	1	1
AEROSPACE INDUSTRIAL DEVELOPMENT CORPORATION (AIDC) Total		2	2	1	1
AVANTI AVIATION CORP.	GALX	1	1	0	1
AVANTI AVIATION CORP. Total		1	1	0	1
CHINA AIRLINES	A330	24	2	24	0
	A340	6	2	6	0
	B737NX	19	2	19	0

Taiwan						
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden	
	B744-10	34	2	31	0	
	B773	10	2	9	0	
CHINA AIRLINES Total		93	10	89	0	
EVA AIRWAYS CORPORATION	A318	2	2	2	0	
	A320	21	2	19	0	
	A330	12	2	12	0	
	B744-10	11	2	11	0	
	B773	23	2	23	0	
	G280	1	1	1	0	
EVA AIRWAYS CORPORATION Total		70	11	68	0	
EXECUTIVE AVIATION TAIWAN CORP	B737NX	1	1	0	1	
	BD700	1	1	1	0	
	BE40	1	1	1	0	
	E135-145	1	1	0	1	
	GLEX	1	1	1	0	
EXECUTIVE AVIATION TAIWAN CORP Total		5	5	3	2	
FAR EASTERN AIR TRANSPORT	MD80	6	2	1	1	
FAR EASTERN AIR TRANSPORT Total		6	2	1	1	
MANDARIN AIRLINES	E170-190	6	2	4	0	
MANDARIN AIRLINES Total		6	2	4	0	
SUNRISE AIRLINE	BE40	1	1	1	0	
SUNRISE AIRLINE Total		1	1	1	0	
TIGERAIR TAIWAN	A320	8	2	8	0	
TIGERAIR TAIWAN Total		8	2	8	0	
TRANSASIA AIRWAYS LTD.	A320	9	2	9	0	
	A330	4	2	4	0	
TRANSASIA AIRWAYS LTD. Total		13	4	13	0	
UNI AIRWAYS CORPORATION	A320	2	2	2	0	

Taiwan					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
	MD90	2	2	2	0
UNI AIRWAYS CORPORATION Total		4	4	4	0
V AIR	A320	4	2	4	0
V AIR Total		4	2	4	0
WIN AIR BUSINESS JET	GLF5	2	2	2	0
	GLF6	1	1	0	1
WIN AIR BUSINESS JET Total		3	3	2	1
Taiwan Total		216	49	198	6

Thailand					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AC AVIATION	BE40	2	2	0	2
	H25B-800	1	1	0	1
AC AVIATION Total		3	3	0	3
ADVANCE AVIATION JET COMPANY LIMITED	GALX	2	2	1	1
ADVANCE AVIATION JET COMPANY LIMITED Total		2	2	1	1
AERONAUTICAL RADIO OF THAILAND LTD.	BE30	1	1	1	0
AERONAUTICAL RADIO OF THAILAND LTD. Total		1	1	1	0
ANUTIN CHARNVEERAKUL	TBM	1	1	0	1
ANUTIN CHARNVEERAKUL Total		1	1	0	1
ASIA ATLANTIC AIRLINES CO. LTD.	B767	2	2	2	0
ASIA ATLANTIC AIRLINES CO. LTD. Total		2	2	2	0
ASIAN AIR COMPANY LIMITED	B767	1	1	1	0
ASIAN AIR COMPANY LIMITED Total		1	1	1	0
BANGKOK AIRWAYS	A320	20	2	15	0
BANGKOK AIRWAYS Total		20	2	15	0
BUSINESS AIR CENTRE	B767	1	1	0	1

Thailand					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
BUSINESS AIR CENTRE Total		1	1	0	1
CITY AIRWAYS COMPANY LIMITED	B737CL	2	2	1	1
	B737NX	1	1	0	1
CITY AIRWAYS COMPANY LIMITED Total		3	3	1	2
H.S. AVIATION CO.LTD.	H25B-800	1	1	1	0
H.S. AVIATION CO.LTD. Total		1	1	1	0
JET ASIA AIRWAYS CO., LTD.	B767	5	2	0	2
JET ASIA AIRWAYS CO., LTD. Total		5	2	0	2
KANNITHI AVIATION COMPANY LIMITED	PRM1	1	1	0	1
KANNITHI AVIATION COMPANY LIMITED Total		1	1	0	1
KING POWER INTERNATIONAL COMPANY LIMITED	F2TH	1	1	0	1
	G280	1	1	0	1
	GLF5	1	1	1	0
	GLF6	1	1	1	0
KING POWER INTERNATIONAL COMPANY LIMITED Total		4	4	2	2
K-MILE AIR CO. LTD	B727	1	1	0	1
	B737CL	1	1	0	1
K-MILE AIR CO. LTD Total		2	2	0	2
MJETS LIMITED	C25B	1	1	0	1
	C550-B	2	2	0	2
	C750	1	1	1	0
	GALX	2	2	1	1
	GLF5	1	1	1	0
MJETS LIMITED Total		7	7	3	4
NOK AIRLINES CO., LTD.	B737NX	21	2	17	0
NOK AIRLINES CO., LTD. Total		21	2	17	0
NOKSCOOT AIRLINES	B772	3	2	3	0
NOKSCOOT AIRLINES Total		3	2	3	0

Thailand					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
ORIENT THAI AIRLINE	B737CL	9	2	2	0
	B744-10	3	2	3	0
	B744-5	1	1	0	1
	B747CL	2	2	0	2
	B767	7	2	2	0
	MD80	1	1	0	1
ORIENT THAI AIRLINE Total		23	10	7	4
P.C. AIR COMPANY LIMITED	A310-GE	1	1	0	1
P.C. AIR COMPANY LIMITED Total		1	1	0	1
PHUKET AIR	B747CL	1	1	0	1
PHUKET AIR Total		1	1	0	1
ROYAL THAI AIR FORCE	A320	2	2	1	1
	B737NX	1	1	1	0
ROYAL THAI AIR FORCE Total		3	3	2	1
SABAIDEE AIRWAYS	B737CL	4	2	0	2
	B737NX	2	2	0	2
SABAIDEE AIRWAYS Total		6	4	0	4
SIAM AIR TRANSPORT COMPANY LIMITED	B737CL	2	2	0	2
	B737NX	2	2	2	0
SIAM AIR TRANSPORT COMPANY LIMITED Total		4	4	2	2
SIAM AIRNET COMPANY LIMITED	C750	1	1	0	1
	F2TH	1	1	1	0
SIAM AIRNET COMPANY LIMITED Total		2	2	1	1
SIAM LAND FLYING	BE30	1	1	0	1
	H25B-800	2	2	2	0
SIAM LAND FLYING Total		3	3	2	1
SKYVIEW AIRWAYS COMPANY LIMITED	A320	3	2	3	0
SKYVIEW AIRWAYS COMPANY LIMITED Total		3	2	3	0

Thailand					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
SUNNY AIRWAYS	B767	1	1	0	1
SUNNY AIRWAYS Total		1	1	0	1
THAI AIR ASIA	A320	48	2	47	0
THAI AIR ASIA Total		48	2	47	0
THAI AIRASIA X COMPANY LIMITED	A330	6	2	6	0
THAI AIRASIA X COMPANY LIMITED Total		6	2	6	0
THAI AIRWAYS INTERNATIONAL LTD.	A306	3	2	0	2
	A310-PW	1	1	0	1
	A320	4	2	4	0
	A330	27	2	15	0
	A345	4	2	0	2
	A346	6	2	6	0
	A380	6	2	6	0
	B737CL	6	2	0	2
	B744-10	12	2	12	0
	B744-5	2	2	2	0
	B772	14	2	14	0
	B773	20	2	20	0
	B787	6	4	6	0
THAI AIRWAYS INTERNATIONAL LTD. Total		111	27	85	7
THAI EXPRESS AIR COMPANY LIMITED	B737CL	1	1	0	1
THAI EXPRESS AIR COMPANY LIMITED Total		1	1	0	1
THAI FLYING SERVICE	C650	1	1	0	1
THAI FLYING SERVICE Total		1	1	0	1
THAI LION MENTARI COMPANY LIMITED	B737NX	20	2	18	0
THAI LION MENTARI COMPANY LIMITED Total		20	2	18	0
THAI SMILE	A320	16	2	16	0
THAI SMILE Total		16	2	16	0

Thailand					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
THAI VIETJET AIR	A320	1	1	0	1
THAI VIETJET AIR Total		1	1	0	1
VIP JETS LIMITED	C510	1	1	0	1
VIP JETS LIMITED Total		1	1	0	1
Thailand Total		332	108	237	46

The Philippines					
Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
AEV AVIATION INC.	BE20	1	1	0	1
	C56X	1	1	0	1
	PRM1	1	1	0	1
AEV AVIATION INC. Total		3	3	0	3
AIR JUAN AVIATION INC.	C25C	1	1	1	0
	C680	1	1	1	0
AIR JUAN AVIATION INC. Total		2	2	2	0
ALPHALAND	F900	1	1	1	0
ALPHALAND Total		1	1	1	0
ASIAN AIR SAFARI, INC.	BE30	1	1	1	0
ASIAN AIR SAFARI, INC. Total		1	1	1	0
ASTRO AIR INTERNATIONAL, INC.	MD80	2	2	0	2
ASTRO AIR INTERNATIONAL, INC. Total		2	2	0	2
CEBU AIR INC. (CEBU PACIFIC AIR)	A320	45	2	45	0
	A330	6	2	6	0
CEBU AIR INC. (CEBU PACIFIC AIR) Total		51	4	51	0
CHALLENGER AERO AIR CORPORATION	BD100	1	1	1	0
	F2TH	1	1	1	0
	GLEX	1	1	1	0

The Philippines

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
	GLF4	1	1	1	0
	H25B-800	1	1	1	0
CHALLENGER AERO AIR CORPORATION Total		5	5	5	0
CRYSTAL SUGAR COMPANY INC.	C525	1	1	0	1
CRYSTAL SUGAR COMPANY INC. Total		1	1	0	1
GALEO EQUIPMENT AND MINING CORPORATIONS	C510	1	1	0	1
GALEO EQUIPMENT AND MINING CORPORATIONS Total		1	1	0	1
GENERAL AVIATION	H25B-800	1	1	0	1
GENERAL AVIATION Total		1	1	0	1
JET EAGLE	F900	1	1	1	0
JET EAGLE Total		1	1	1	0
LIONAIR INC.	C500	1	1	0	1
	CL600	1	1	0	1
	WW24	2	2	0	2
LIONAIR INC. Total		4	4	0	4
PAL EXPRESS	A320	13	2	9	0
PAL EXPRESS Total		13	2	9	0
PHILIPPINE AIRLINES INC.	A320	28	2	27	0
	A330	15	2	15	0
	A340	6	2	6	0
	B773	6	2	6	0
	G150	1	1	0	1
PHILIPPINE AIRLINES INC. Total		56	9	54	1
PHILIPPINES AIRASIA INC.	A320	15	2	9	0
PHILIPPINES AIRASIA INC. Total		15	2	9	0
PLATINUM SKIES AVIATION INC.	D328	1	1	1	0
PLATINUM SKIES AVIATION INC. Total		1	1	1	0
ROYAL STAR AVIATION, INC.	C56X	2	2	2	0

The Philippines

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
	CL600	1	1	1	0
	J328	1	1	1	0
ROYAL STAR AVIATION, INC. Total		4	4	4	0
SEAIR INTERNATIONAL	A320	1	1	0	1
	B737CL	1	1	0	1
SEAIR INTERNATIONAL Total		2	2	0	2
SUBIC INTERNATIONAL AIR CHARTER INC.	LJ45	1	1	1	0
SUBIC INTERNATIONAL AIR CHARTER INC. Total		1	1	1	0
WORLD AVIATION CORPORATION	C56X	1	1	1	0
	LJ45	1	1	1	0
WORLD AVIATION CORPORATION Total		2	2	2	0
The Philippines Total		167	49	141	15

Viet Nam

Operator	MMR Group	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
HANG KHONG VIETNAM	A320	54	2	54	0
	A330	8	2	8	0
	A350	4	3	4	0
	B772	6	2	6	0
	B787	7	5	6	0
HANG KHONG VIETNAM Total		79	14	78	0
JETSTAR PACIFIC AIRLINES	A320	10	2	10	0
JETSTAR PACIFIC AIRLINES Total		10	2	10	0
VIETJET AIR	A320	30	2	27	0
VIETJET AIR Total		30	2	27	0
Viet Nam Total		119	18	115	0

	Fleet Size	Monitoring Requirement	# monitored aircraft	Remaining Burden
MAAR Grand Total	2340	669	1864	172

Appendix B: List of operators and their aircraft monitoring group never height-monitored

State Name"	Operator	MMR Group	Fleet Size	Total Outstanding Burden
Bangladesh	NOVOAIR	E135-145	3	2
	SKY CAPITAL AIRLINES LIMITED	B732	1	1
	UNITED AIRWAYS BANGLADESH	A310-PW	2	2
		MD80	5	2
	ZAINUL HAQUE SIKDER WOMENS MEDICAL COLLEGE & HOSPITAL (PVT) LTD. (DBA): R & R AVIATION	H25B-800	1	1
Bangladesh Total				8
Bhutan	BHUTAN AIRLINE	A320	2	2
Bhutan Total				2
China (Hong Kong)	GOVERNMENT OF THE HKSAR	CL605	2	2
China (Hong Kong) Total				2
India	AIRCAR AIRLINES PRIVATE LIMITED	P180	1	1
	KINGFISHER AIRLINES LTD.	A320	2	2
	PINNACLE AIR PVT LTD.	P180	1	1
	RELIANCE TRANSPORT & TRAVELS PVT. LTD.	E135-145	1	1
	SPICE JET LTD.	B737C	2	2
India Total				7
Malaysia	BERJAYA AIR SDN. BHD.	BD100	1	1
	DEPARTMENT OF CIVIL AVIATION MALAYSIA	LJ60	2	2
	GADING SARI AVIATION SERVICES SDN BHD	B737CL	2	2
	GENERAL AVIATION	B737CL	1	1
	HORNBILL SKYWAYS SDN. BHD.	CL605	1	1
	NEPTUNE AIR	B737CL	1	1
	RAYA AIRWAYS	B752	1	1
Malaysia Total				9
Myanmar	AIR MANDALAY	E135-145	2	2

State Name"	Operator	MMR Group	Fleet Size	Total Outstanding Burden
	FMI AIR	CARJ	3	2
Myanmar Total				4
Nepal	HIMALAYA AIRLINES	A320	1	1
Nepal Total				1
Pakistan	AIR INDUS	B737CL	3	2
	K K AVIATION PVT LIMITED	HA4T	1	1
	LUCKY AIR PRIVATE LIMITED	LJ60	1	1
	PAK ARAB FERTILIZERS LTD. MULTAN	C25B	1	1
	PAKISTAN AIRLINES	A320	11	2
		B747CL	1	1
	PAKISTAN AVIATORS & AVIATION	BE20	1	1
		G150	1	1
		GALX	1	1
	SHAHEEN INTERNATIONAL	B737CL	9	2
	VIP FLIGHT GOVERNMENT OF BALOCHISTAN	LJ45	1	1
	VIP SINDH	LJ45	1	1
	VISION AIR INTERNATIONAL PRIVATE LIMITED	B732	1	1
		B737CL	1	1
Pakistan Total				17
Singapore	SINGAPORE AIRLINES LTD.	A350	2	2
Singapore Total				2
Taiwan	AVANTI AVIATION CORP.	GALX	1	1
	EXECUTIVE AVIATION TAIWAN CORP	B737NX	1	1
	WIN AIR BUSINESS JET	GLF6	1	1
Taiwan Total				3
Thailand	ANUTIN CHARNVEERAKUL	TBM	1	1
	BUSINESS AIR CENTRE	B767	1	1

State Name"	Operator	MMR Group	Fleet Size	Total Outstanding Burden
	CITY AIRWAYS COMPANY LIMITED	B737NX	1	1
	KANNITHI AVIATION COMPANY LIMITED	PRM1	1	1
	KING POWER INTERNATIONAL COMPANY LIMITED	F2TH	1	1
		G280	1	1
	K-MILE AIR CO. LTD	B737CL	1	1
	ORIENT THAI AIRLINE	B744-5	1	1
		B747CL	2	2
	P.C. AIR COMPANY LIMITED	A310-GE	1	1
	SABAIDEE AIRWAYS	B737CL	4	2
		B737NX	2	2
	SIAM AIRNET COMPANY LIMITED	C750	1	1
	SUNNY AIRWAYS	B767	1	1
	THAI AIRWAYS INTERNATIONAL LTD.	A306	3	2
		A310-PW	1	1
	THAI EXPRESS AIR COMPANY LIMITED	B737CL	1	1
	THAI FLYING SERVICE	C650	1	1
	THAI VIETJET AIR	A320	1	1
	VIP JETS LIMITED	C510	1	1
Thailand Total				24
Grand Total				79