



International Civil Aviation Organization

ICAO

Twenty-Eighth Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/28)

Bangkok, Thailand, 21 – 24 August 2023

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

**JASMA LTHM BURDEN ESTIMATE UPDATE**

(Presented by JASMA)

**SUMMARY**

This paper presents the current monitoring burden for aircraft registered and operated by Japanese operators to meet Annex 6 Long Term Height Monitoring (LTHM) requirements as of June 2023.

**1. INTRODUCTION**

1.1. As agreed at the Sixteenth Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/16), each RMA shall develop monitoring burden tables using the format presented in RASMAG/16/WP17. The Japan Airspace Safety Monitoring Agency (JASMA) presents the current update to that data. The **Attachment** provides the JASMA monitoring burden table.

**2. DISCUSSION**

2.1 There was a total of 821 airframes that were approved for the Reduced Vertical Separation Minima (RVSM) on the RVSM approvals database maintained by the JASMA as of 30 June 2023.

2.2 Applying the Minimum Monitoring Requirements (MMR) to the total of RVSM approved aircraft results in a total monitoring burden to be achieved of 190 airframes. Taking into account aircraft which was approved RVSM for the first time or were conducting height monitoring within the past two years, the outstanding burden is three airframes (1.6%) as of 30 June 2022.

2.3 The remaining aircraft are operated by small aircraft operators or State. JASMA supposes that the flight hours of these operators' aircraft might not have reached 1,000 hours within the recent two years.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.

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**Attachment: Estimated RVSM Monitoring Burden for Asia/Pacific Region as a result of  
Long Term Height Monitoring Requirements of Annex 6.  
JASMA Monitoring Burden (As of 30 June 2023)**

Operator	Operator Name	Aircraft Monitoring Group	MMR Category (1,2 or 3)	Total # Approved Airframes	Resultant Monitoring Burden (# airframes)	Total # of Aircraft Remaining To Be Monitored By 30/06/2023
ADO	Airdo	B737NX	1	8	2	0
		B767	1	4	2	0
AJX	Air Japan	B787	1	71	2	0
		B78X	2	3	2	0
AKX	ANA WINGS	B737NX	1	39	2	0
ANA	ALL NIPPON AIRWAYS	A20N	2	33	20	0
		A320	1	4	2	0
		A380	1	3	2	0
		B737NX	1	39	2	0
		B767	1	24	2	0
		B772	1	12	2	0
		B773	1	18	2	0
		B787	1	76	2	0
APJ	Peach Aviation	A20N	2	15	9	0
		A320	1	20	2	0
FDA	FUJI DREAM AIRLINES	E170-190	1	16	2	0
IBX	IBEX Airlines	CRJ7	1	10	2	0
JAL	Japan Air Lines	A350	2	16	10	0
		B737NX	1	44	2	0
		B767	1	34	2	0
		B772	1	6	2	0
		B773	1	13	2	0
JAR	J-AIR	E170-190	1	32	2	0
JJP	Jetstar Japan	A20N	2	2	2	0
		A320	1	19	2	0
JTA	Japan Transocean Air	B737NX	1	14	2	0
MIL	Military (Japan Self-Defence Forces)	B767	1	4	2	0
		B773	1	2	2	0
		C680	1	3	2	0
		GLF4	1	5	2	1
		KC2	2	17	11	0
		P1	2	34	21	0
NCA	Nippon Cargo Airlines	B748	1	8	2	0
SFJ	Star Flyer	A320	1	14	2	0
SJO	Spring Airlines Japan	B737NX	1	6	2	0
SKY	Skymark Airlines	B737NX	1	29	2	0
SNJ	Skynet Asia Airways	B737NX	1	14	2	0
TZP	ZIPAIR Tokyo	B787	1	6	2	0
WAJ	AirAsia Japan	A320	1	3	2	0

Operator	Operator Name	Aircraft Monitoring Group	MMR Category (1,2 or 3)	Total # Approved Airframes	Resultant Monitoring Burden (# airframes)	Total # of Aircraft Remaining To Be Monitored By 30/06/2022
IGA	Aero Asahi	C680	1	2	2	0
		HDJT	2	1	1	0
IGA	Asahi Shinbunsha	C560	1	1	1	0
IGA	Auto Panther	C25A	1	1	1	0
		C525	1	1	1	0
IGA	CIVIL AVIATION BUREAU	C25C	2	5	3	0
		C700	2	1	1	0
IGA	Diamond Airservice	GLF4	1	1	1	0
IGA	Electronic Navigation Research Institute	BE30	2	1	1	0
IGA	FUJI BUSINESS JET CO., LTD.	C25C	2	1	1	0
IGA	GRAPHIC	C680	1	1	1	0
IGA	Honda Airways	HDJT	2	1	1	0
IGA	JAPAN COAST GUARD	F2TH	2	6	4	0
		GLF5	1	2	2	0
IGA	JAXA	C680	1	1	1	0
IGA	KACHI64	HDJT	2	1	1	0
IGA	Kohnan Shoji	C25A	1	1	1	0
		C525	1	1	1	0
IGA	Mainichi Shinbunsha	C25A	1	1	1	0
IGA	MicroJet Inc	C510	1	1	1	0
IGA	Mitsubishi Aircraft	BE40	1	1	1	1
IGA	Mitsubishi Heavy Industries	BE40	1	1	1	1
IGA	Nakanhon Air Service	C560	1	2	2	0
IGA	Noevir Aviation	BE30	2	1	1	0
		C680	1	1	1	0
IGA	Okayama Air Service	C25A	1	1	1	0
		C525	1	3	2	0
		C680	1	1	1	0
		HDJT	2	2	2	0
IGA	PV	C510	1	1	1	0
IGA	PV	HDJT	2	1	1	0
IGA	PV	TBM	2	1	1	0
IGA	Shizuoka Air Commuter	C25A	1	2	2	0
		F2TH	2	1	1	0
IGA	Takagi Co., Ltd.	HDJT	2	1	1	0
IGA	THE YOMIURI SHIMBUN	C560	1	1	1	0
				<b>821</b>	<b>190</b>	<b>3</b>

	Total # Approved Airframes	Resultant Monitoring Burden (# airframes)	Total # of Aircraft Remaining
	<b>821</b>	<b>190</b>	<b>3</b>

1.6%