



International Civil Aviation Organization

**The Eleventh Meeting of the Regional Airspace Safety Monitoring
Advisory Group (RASMAG/11)**

Bangkok, Thailand, 8 – 12 June 2009

Agenda Item 4: Airspace safety monitoring documentation and regional guidance material
○ **Regional Impact Strategy for RVSM long term height monitoring**

**The Pacific Approvals Registry and Monitoring Organization (PARMO) Assessment of the
Monitoring Responsibility Associated with the Long-Term Height Monitoring Requirements**

(Presented by the Pacific Approvals Registry and Monitoring Organization (PARMO))

SUMMARY

This working paper provides an assessment of the monitoring burden associated with the long term height monitoring requirements for operations observed in airspace for which the PARMO is the responsible Regional Monitoring Agency (RMA).

1. Introduction

1.1. The Seventh Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/7) discussed the long term monitoring requirements then under development by the International Civil Aviation Administration (ICAO) Separation and Airspace Safety Panel (SASP) (reference 1, paragraph 6.9). The Meeting noted that long-term monitoring requirements would be applicable to operators and aircraft with State approval for RVSM operation.

1.2. The meeting was also advised that the SASP had agreed that height-keeping performance monitoring results, contributed by EUROCONTROL and reviewed by the North Atlantic (NAT) Operations and Airworthiness Sub Group, had demonstrated long-term adverse trends in altimetry system error (ASE) drift, which, if not reversed, would result in aircraft becoming non-compliant with RVSM requirements. Additionally it had been agreed that globally applicable minimum long-term monitoring requirements were required as ASE could not be detected without specialized monitoring systems and could therefore pose a serious risk if uncorrected (reference 1, paragraph 6.11).

1.3. Subsequent SASP deliberations and actions by the ICAO Air Navigation Commission (ANC) have resulted in the addition of long-term RVSM monitoring requirements to Annex 6, with the effective date of the requirements planned for 2010. The following text was adopted by the ANC for Annex 6, Parts I and II, Chapter 7:

7.2.7 The State of the Operator that has issued an RVSM approval to an operator shall establish a requirement which ensures that two aeroplanes of each aircraft type grouping of the operator have their height keeping performance monitored, at least once every two years or within intervals of 1 000 flight hours per aeroplane, whichever period is longer. If an operator aircraft type grouping consists of a single aeroplane, monitoring of that aeroplane shall be accomplished within the specified period.

Note:— Monitoring data from any regional monitoring programme established in accordance with Annex 11, 3.3.5.2, may be used to satisfy the requirement.

1.4. The RASMAG/8 Meeting concluded that a Regional Monitoring Agency (RMA) should carry out the following tasks related to the forthcoming long term monitoring requirements (reference 2):

- a) Educate States and airspace users as to the roles and functions of an RMA,
- b) Establish the monitoring requirements to be satisfied by each operator,
- c) Coordinate with other RMAs so that monitoring results are shared, and
- d) Ensure that an adequate monitoring system infrastructure exists.

These four tasks led to the development of six long term height monitoring (LTHM) actions listed in reference 2.

1.5. At the RASMAG/10 meeting, the Pacific Approvals Registry and Monitoring Organization (PARMO) reported the approach planned to address the LTHM actions (reference 5). The plan included the use of the December 2008 TSD to establish the monitoring requirements for each operator in the airspace for which the PARMO is responsible and determine the number of airframes which need monitoring within the first two year period (e.g. 2010 – 2012). The PARMO is not responsible for supporting monitoring of all operator/aircraft-type combinations in the TSD, just those domiciled in States for which the PARMO is responsible.

1.6. At the RASMAG/10 meeting, it was also discussed that the draft RMA Handbook, which is currently under revision, contains an obsolete version of the listing of States and Cognizant RMA for the reporting of RVSM approvals. This listing associates an RMA with each ICAO Contracting State, with the intent that a State conduct its primary business with the associated RMA. Such business includes forwarding approvals and responding to questions about large height errors and inquiries about operator approval status. This listing is obsolete due to the new RMAs which were not established at the time the draft RMA handbook was written. It is important that this listing be updated, and that each RMA is aware of their associated States. If an RMA does not work with all of its associated States, there is no provision to signal another RMA to act in its stead.

1.7. The purpose of this paper is to report the assessment by PARMO of LTHM requirements, with the intent that this assessment be incorporated with similar assessments conducted by other Asia/Pacific Region RMAs.

2. Discussion

2.1. The December 2008 TSD collected by PARMO was examined to determine the operators conducting operations within the Flight Information Regions (FIRs) for which PARMO is responsible (Anchorage, Auckland, Incheon, Nadi, Oakland, and Tahiti). All unique operator/aircraft combinations were identified and mapped to a monitoring category in the Minimum Monitoring Requirements (MMR) chart shown in Table 1. The TSD data obtained from Incheon and Tahiti did not contain RVSM approval information. Therefore, all operations from the Incheon and Tahiti TSD were included in this paper.

MONITORING IS REQUIRED IN ACCORDANCE WITH THIS CHART, HOWEVER, IT IS NOT REQUIRED TO BE COMPLETED PRIOR TO OPERATIONAL APPROVAL		
MONITORING CATEGORY	AIRCRAFT TYPE	MINIMUM OPERATOR MONITORING FOR EACH AIRCRAFT GROUP
<p>1</p> <p>Group approved <u>and</u> monitoring data indicates performance in accordance with RVSM standards.</p> <p>Group Definition: aircraft have been manufactured to a nominally identical design and build and for RVSM airworthiness approval fall into a group established in an RVSM certification document (e.g., Service Bulletin, Supplemental Type Certificate, Type Certificate Data Sheet).</p>	<p>[A30B, A306], [A312 (GE), A313 (GE)], [A312 (PW), A313 (PW)], A318, [A319, A320, A321], [A332, A333], [A342, A343], A344, A345, A346</p> <p>B712, [B721, B722], [B733, B734, B735], B737(Cargo), [B736, B737/BBJ, B738/BBJ, B739], [B741, B742, B743], B74S, B744 (5" Probe), B744 (10" Probe), B752, B753, [B762, B763], B764, B772, B773</p> <p>CL60(600/601), CL60(604), C560, [CRJ1, CRJ2], CRJ7, DC10, [E135, E145], F100, GLF4, GLF5, LJ60</p> <p>L101, MD10, MD11, MD80 (All series), MD90</p>	<p>Two airframes from each fleet* of an operator to be monitored as soon as possible but not later than 6 months after the issue of RVSM operational approval</p> <p><i>* Note. For the purposes of monitoring, aircraft within brackets [] may be considered as belonging to the same monitoring group. For example, an operator with six A332 and four A333 aircraft may monitor one A332 and one A333 or two A332 aircraft or two A333 aircraft.</i></p>
<p>2</p> <p>Group approved but insufficient monitoring data collected to move aircraft to Monitoring Category 1. Group definition applies.</p>	<p>Other group aircraft other than those listed in Category 1 including:</p> <p>A124, ASTR, B703, B731, B732, BE20, BE40, C500, C25A, C25B, C525, C550**, C56X, C650, C750, CRJ9, [DC86, DC87], DC93, DC95, F2TH, [FA50 FA50EX], F70, [F900, F900EX], FA20, FA10, GLF2(II), GLF(IIB), GLF3, GALX, GLEX, H25B(700), H25B(800), H25C, IL62, IL76, IL86, IL96, J328, L29(2), L29(731), LJ31, [LJ35, LJ36], LJ45, LJ55, SBR1, T134, T154, T204, P180, PRM1, YK42</p>	<p>60% of airframes from each fleet of an operator (round up if fractional), as soon as possible but not later than 6 months after the issue of RVSM operational approval.</p> <p>(*Note: If 60 percent of the fleet yields a fractional number, round up to the next whole aircraft (e.g., for a fleet of 2 aircraft, $0.6 \times 2 = 1.2$; therefore, 2 aircraft must be monitored).</p> <p>** Refer to aircraft group table for detail on C550 monitoring</p>
<p>3</p> <p>Non-Group</p> <p>Non-group Definition: aircraft that do not fall under the group definition <u>and</u> for RVSM airworthiness approval are presented as an individual airframe.</p>	<p>Non-group approved aircraft</p>	<p>100% of aircraft shall be monitored as soon as possible but not later than 6 months after the issue of RVSM operational approval.</p>

Table 1. Minimum Monitoring Requirements

2.2. Appendix A contains the complete listing of the commercial operations observed in the December 2008 TSD obtained from airspace for which the PARMO is the responsible RMA. The data in Appendix A includes the FIR(s) in which the operation was observed, operator, aircraft type, aircraft monitoring group, minimum monitoring category, State of the operator, Responsible RMA, and the estimate of the number of airframes to be monitored.

2.3. In addition to those operations for which the PARMO is the responsible RMA, the operations for which the North America Approvals Registry and Monitoring Organization (NAARMO) is the responsible RMA are also of interest to the PARMO. The NAARMO and PARMO RMA services are provided by the Separation Standards Group at the Federal Aviation Administration Technical Center.

2.4. The table in Appendix B contains the International General Aviation (IGA) operations observed in the TSD collected in December 2008. The data in Appendix B includes the FIR(s) in which the operation was observed, operator/aircraft registration number, aircraft type, aircraft monitoring group, minimum monitoring category, State of the operator, Responsible RMA, and the estimate of the number of airframes to be monitored.

2.5. The operator/aircraft type combinations meeting the criteria for the minimum monitoring category 1 require a minimum of two airframes of the same type to be monitored.

2.6. The fleet size was determined for those operations meeting the minimum monitoring category 2 criteria and for which the PARMO/NAARMO is the responsible RMA. For category 2 operations, the requirement states that a minimum of sixty percent of airframes of the same aircraft type need to be monitored. The result was rounded up to the nearest integer to produce the estimate of the minimum number of airframes to be monitored.

2.7. The operator/aircraft type combinations meeting the criteria for the minimum monitoring category 3 require all airframes to be monitored.

2.8. The commercial operation data in Appendix A show the total number of airframes to be monitored for which the PARMO/NAARMO is the responsible RMA is 264 airframes. These 264 airframes result from 92 unique operator-aircraft type combinations.

2.9. The IGA operation data in Appendix B show the total number of airframes to be monitored for which the PARMO/NAARMO is the responsible RMA is 429 airframes. These 429 airframes result from 401 unique operator-aircraft type combinations.

2.10. Given the monitoring challenge, the PARMO/NAARMO can begin to determine which monitoring systems are needed, such as ground-based systems and/or the portable Enhanced GPS-based Monitoring Unit (EGMU), for the operators and States to meet the monitoring requirements. In addition, any potential overlap of operations by common operators and aircraft types in other RMA airspace will be identified to enhance the prospects of sharing monitoring results. Since many operators conduct operations outside of the Asia/Pacific Region, coordination between all RMAs would be needed to account for operators who have met the monitoring requirements in other regions.

2.11. Based on these findings, the PARMO/NAARMO will contact the appropriate State authorities of the observed operators to remind them of the coming LTHM requirements.

3. Recommendation

3.1. The Meeting is invited to note the information presented in this paper.

3.2. The meeting is further invited to incorporate the information contained in this paper with similar data obtained from other Asia Pacific RMAs to complete the estimate of the monitoring burden for the Asia Pacific region.

References

- 1) Report of the Seventh Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/7), Bangkok, Thailand, 4-8 June 2007.
- 2) Report of the Eighth Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/8), Bangkok, Thailand, 10-14 December 2007.
- 3) “Global Long Term RVSM Height Monitoring,” ICAO State Letter, AN 13/11.1-07/72, 7 December 2007.
- 4) *Manual on Implementation of a 300 m (1 000 ft) Vertical Separation Minimum Between FL 290 and FL 410 Inclusive*. ICAO Doc 9574, Second Edition 2002.
- 5) “The Pacific Approvals Registry and Monitoring Organization (PARMO) Plan for Assessing the Monitoring Responsibility Associated with the Long-Term Height Monitoring Requirements,” IP/8, The Tenth Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/10), Bangkok, Thailand, 15-19 December 2008.

Appendix A
Monitoring Requirements for Commercial Operations Observed by the PARMO

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	ANG	B763	[B762, B763]	1	Papua New Guinea	AAMA	2
Nadi	ANG	E190	[E170, E190]	3	Papua New Guinea	AAMA	1
Nadi	HVY	B721	[B721, B722]	1	Australia	AAMA	2
Auckland	JST	A320	[A319, A320, A321]	1	Australia	AAMA	2
Nadi, Oakland	JST	A332	[A332, A333]	1	Australia	AAMA	2
Nadi	JST	B732	B732	2	Australia	AAMA	1
Auckland, Nadi	OZJ	B732	B732	2	Australia	AAMA	2
Auckland, Tahiti, Oakland	QFA	A332, A333	[A332, A333]	1	Australia	AAMA	2
Auckland, Nadi, Tahiti, Oakland	QFA	A388	A388	2	Australia	AAMA	2
Auckland	QFA	B733, B734	[B733, B734, B735]	1	Australia	AAMA	2
Auckland, Nadi, Tahiti	QFA	B738	[B736, B737, B738, B739]	1	Australia	AAMA	2
Auckland, Tahiti, Oakland	QFA	B743	[B741, B742, B743]	1	Australia	AAMA	2
Anchorage, Auckland, Nadi, Tahiti, Oakland	QFA	B744	B744	1	Australia	AAMA	2
Auckland, Nadi, Tahiti, Oakland	QFA	B763	[B762, B763]	1	Australia	AAMA	2
Auckland, Nadi, Oakland	SYW	E170, E190	[E170, E190]	2	Australia	AAMA	1
Auckland	ARG	A342	[A342, A343]	1	Argentina	CARSAMMA	2
Auckland	LAN	A343	[A342, A343]	1	Chile	CARSAMMA	2
Auckland, Tahiti	LAN	B763	[B762, B763]	1	Chile	CARSAMMA	2
Oakland	TAM	B773	B773	1	Brazil	CARSAMMA	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Auckland, Tahiti	VNA	A320	[A319, A320, A321]	1	Uruguay	CARSAMMA	2
Oakland	CAO	B744	B744	1	China	China RMA	2
ROK	CCA	A319, A321	[A319, A320, A321]	1	China	China RMA	2
Oakland	CCA	A332	[A332, A333]	1	China	China RMA	2
ROK	CCA	B733	[B733, B734, B735]	1	China	China RMA	2
ROK, Oakland	CCA	B737, B738	[B736, B737, B738, B739]	1	China	China RMA	2
ROK, Oakland	CCA	B744	B744	1	China	China RMA	2
ROK	CCA	B752	B752	1	China	China RMA	2
ROK	CCA	B762, B763	[B762, B763]	1	China	China RMA	2
ROK	CCA	B772	B772	1	China	China RMA	2
ROK	CDG	B733	[B733, B734, B735]	1	China	China RMA	2
ROK	CDG	B737, B738	[B736, B737, B738, B739]	1	China	China RMA	2
ROK	CES	A319, A320, A321	[A319, A320, A321]	1	China	China RMA	2
ROK	CES	A332, A333	[A332, A333]	1	China	China RMA	2
Anchorage, ROK, Oakland	CES	A343	[A342, A343]	1	China	China RMA	2
Anchorage, Oakland	CES	A346	A346	1	China	China RMA	2
ROK	CES	B737	[B736, B737, B738, B739]	1	China	China RMA	2
Oakland	CHH	A332	[A332, A333]	1	China	China RMA	2
ROK	CHH	B738	[B736, B737, B738, B739]	1	China	China RMA	2
Anchorage, Oakland	CKK	B744	B744	1	China	China RMA	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Anchorage, Oakland	CKK	MD11	MD11	1	China	China RMA	2
ROK, Oakland	CSH	B738	[B736, B737, B738, B739]	1	China	China RMA	2
ROK	CSN	A306	[A30B, A306]	1	China	China RMA	2
ROK	CSN	A319, A320, A321	[A319, A320, A321]	1	China	China RMA	2
Anchorage, Oakland	CSN	B772	B772	1	China	China RMA	2
ROK	CSN	MD90	MD90	1	China	China RMA	2
Oakland	CSZ	B738	[B736, B737, B738, B739]	1	China	China RMA	2
ROK, Oakland	CXA	B737, B738	[B736, B737, B738, B739]	1	China	China RMA	2
Anchorage, Oakland	GWL	B744	B744	1	China	China RMA	2
Anchorage, Oakland	SHQ	MD11	MD11	1	China	China RMA	2
Anchorage, Oakland	YZR	B744	B744	1	China	China RMA	2
Oakland	BAW	B744	B744	1	United Kingdom	CMA	2
Oakland	BAW	B772	B772	1	United Kingdom	CMA	2
Oakland	EIN	A332	[A332, A333]	1	Ireland	CMA	2
Nadi	GSM	B763	[B762, B763]	1	United Kingdom	CMA	2
Anchorage, Oakland	ICE	B752	B752	1	Iceland	CMA	2
Oakland	NAX	B738	[B736, B737, B738, B739]	1	Norway	CMA	2
Oakland	RYR	B738	[B736, B737, B738, B739]	1	Ireland	CMA	2
Oakland	SAS	A343	[A342, A343]	1	Sweden	CMA	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	VIR	B744	B744	1	United Kingdom	CMA	2
Auckland, Nadi	ACI	A320	[A319, A320, A321]	1	France	EUROCONTROL	2
Auckland, Nadi, Tahiti, Oakland	ACI	A332	[A332, A333]	1	France	EUROCONTROL	2
Auckland, Nadi, Tahiti	ACI	A343	[A342, A343]	1	France	EUROCONTROL	2
Nadi	ACI	B722	[B721, B722]	1	France	EUROCONTROL	2
Nadi, Oakland	ACI	B763	[B762, B763]	1	France	EUROCONTROL	2
Nadi	ACI	B772	B772	1	France	EUROCONTROL	2
ROK	AFL	IL96	IL96	2	Russian Federation	EUROCONTROL	4
Oakland	AFR	A332	[A332, A333]	1	France	EUROCONTROL	2
Tahiti, Oakland	AFR	A343	[A342, A343]	1	France	EUROCONTROL	2
ROK	AFR	B744	B744	1	France	EUROCONTROL	2
ROK	AFR	B772	B772	1	France	EUROCONTROL	2
ROK	AFR	B77W	B773	1	France	EUROCONTROL	2
ROK	AUA	B772	B772	1	Austria	EUROCONTROL	2
ROK	AZA	B772	B772	1	Italy	EUROCONTROL	2
Oakland	BER	B737	[B736, B737, B738, B739]	1	Germany	EUROCONTROL	2
Auckland, Tahiti, ROK, Oakland	CLX	B744	B744	1	Luxembourg	EUROCONTROL	2
Oakland	DLH	A333	[A332, A333]	1	Germany	EUROCONTROL	2
ROK, Oakland	DLH	A343	[A342, A343]	1	Germany	EUROCONTROL	2
ROK, Oakland	DLH	A346	A346	1	Germany	EUROCONTROL	2
Oakland	DLH	B744	B744	1	Germany	EUROCONTROL	2
ROK	GEC	MD11	MD11	1	Germany	EUROCONTROL	2
Oakland	HLF	B738	[B736, B737, B738, B739]	1	Germany	EUROCONTROL	2
ROK	KLM	B744	B744	1	Netherlands	EUROCONTROL	2
ROK	KLM	B772	B772	1	Netherlands	EUROCONTROL	2
Oakland	KLM	MD11	MD11	1	Netherlands	EUROCONTROL	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
ROK	KZR	B752	B752	1	Kazakhstan	EUROCONTROL	2
ROK	MGL	A310	A310	3	Mongolia	EUROCONTROL	1
ROK	MGL	B738	[B736, B737, B738, B739]	1	Mongolia	EUROCONTROL	2
Oakland	MPH	MD11	MD11	1	Netherlands	EUROCONTROL	2
ROK	SHU	B732	B732	2	Russian Federation	EUROCONTROL	1
Auckland, Tahiti, Oakland	THT	A343	[A342, A343]	1	France	EUROCONTROL	2
ROK	THY	A332	[A332, A333]	1	Turkey	EUROCONTROL	2
ROK	THY	A343	[A342, A343]	1	Turkey	EUROCONTROL	2
Oakland	THY	B738	[B736, B737, B738, B739]	1	Turkey	EUROCONTROL	2
ROK	UZB	B752	B752	1	Uzbekistan	EUROCONTROL	2
ROK	UZB	B763	[B762, B763]	1	Uzbekistan	EUROCONTROL	2
Anchorage, Oakland	VDA	A124	A124	2	Russian Federation	EUROCONTROL	6
Anchorage	VDA	IL76	IL76	2	Russian Federation	EUROCONTROL	6
Oakland	AJX	B763	[B762, B763]	1	Japan	Japan RMA	2
ROK	ANA	A320	[A319, A320, A321]	1	Japan	Japan RMA	2
Anchorage, ROK	ANA	B763	[B762, B763]	1	Japan	Japan RMA	2
ROK	ANA	B772	B772	1	Japan	Japan RMA	2
Anchorage, Oakland	ANA	B77W	B773	1	Japan	Japan RMA	2
Anchorage, Oakland	ANK	B738	[B736, B737, B738, B739]	1	Japan	Japan RMA	2
ROK, Oakland	JAL	B738	[B736, B737, B738, B739]	1	Japan	Japan RMA	2
ROK, Oakland	JAL	B742, B743	[B741, B742, B743]	1	Japan	Japan RMA	2
Anchorage, ROK, Oakland	JAL	B744	B744	1	Japan	Japan RMA	2
ROK, Oakland	JAL	B762,	B762, B763	1	Japan	Japan RMA	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
		B763					
ROK	JAL	B772	B772	1	Japan	Japan RMA	2
Anchorage, ROK, Oakland	JAL	B77W	B773	1	Japan	Japan RMA	2
Oakland	JAZ	B743	[B741, B742, B743]	1	Japan	Japan RMA	2
Oakland	JAZ	B744	B744	1	Japan	Japan RMA	2
Oakland	JAZ	B763	[B762, B763]	1	Japan	Japan RMA	2
Anchorage, Oakland	NCA	B744	B744	1	Japan	Japan RMA	2
ROK	AHK	A306	[A30B, A306]	1	Hong Kong, China	MAAR	2
ROK	AMU	A320, A321	[A319, A320, A321]	1	Macao, China	MAAR	2
ROK, Oakland	CAL	A333	[A332, A333]	1	Taipei, Taiwan	MAAR	2
Anchorage, ROK, Oakland	CAL	A343	[A342, A343]	1	Taipei, Taiwan	MAAR	2
Oakland	CAL	B738	[B736, B737, B738, B739]	1	Taipei, Taiwan	MAAR	2
Anchorage, ROK, Oakland	CAL	B744	B744	1	Taipei, Taiwan	MAAR	2
ROK	CEB	A320	[A319, A320, A321]	1	Philippines	MAAR	2
ROK	CPA	A333	[A332, A333]	1	Hong Kong, China	MAAR	2
Anchorage, Auckland, Nadi, ROK, Oakland	CPA	A342, A343	[A342, A343]	1	Hong Kong, China	MAAR	2
ROK	CPA	B742	[B741, B742, B743]	1	Hong Kong, China	MAAR	2
Anchorage, Auckland, Nadi, ROK, Oakland	CPA	B744	B744	1	Hong Kong, China	MAAR	2
ROK	CPA	B772	B772	1	Hong Kong, China	MAAR	2
Anchorage, ROK, Oakland	CPA	B773, B77W	B773	1	Hong Kong, China	MAAR	2
ROK, Oakland	EVA	A332	[A332, A333]	1	Taiwan	MAAR	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Anchorage, Oakland	EVA	B744	B744	1	Taiwan	MAAR	2
Anchorage, ROK, Oakland	EVA	B77W	B773	1	Taiwan	MAAR	2
Anchorage, Oakland	EVA	MD11	MD11	1	Taiwan	MAAR	2
Oakland	HDA	B743	[B741, B742, B743]	1	Hong Kong, China	MAAR	2
ROK	HVN	A321	[A319, A320, A321]	1	Viet Nam	MAAR	2
ROK	HVN	A330	A330	3	Viet Nam	MAAR	4
ROK	HVN	B772	B772	1	Viet Nam	MAAR	2
Anchorage, Oakland	JAI	B773	B773	1	India	MAAR	2
Oakland	LNI	B739	[B736, B737, B738, B739]	1	Indonesia	MAAR	2
ROK	MAS	A333	[A332, A333]	1	Malaysia	MAAR	2
Anchorage, Oakland	MAS	B744	B744	1	Malaysia	MAAR	2
Auckland	MAS	B772	B772	1	Malaysia	MAAR	2
ROK, Oakland	PAL	A320	[A319, A320, A321]	1	Philippines	MAAR	2
ROK	PAL	A333	[A332, A333]	1	Philippines	MAAR	2
Anchorage, Oakland	PAL	A343	[A342, A343]	1	Philippines	MAAR	2
Anchorage, Oakland	PAL	B744	B744	1	Philippines	MAAR	2
ROK	PIA	A310	A310	3	Pakistan	MAAR	12
Oakland	RPC	A320	[A319, A320, A321]	1	Philippines	MAAR	2
Anchorage, Oakland	SIA	A345	A345	1	Singapore	MAAR	2
Anchorage, Oakland	SIA	B744	B744	1	Singapore	MAAR	2
Anchorage, Auckland, Oakland	SIA	B772	B772	1	Singapore	MAAR	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Anchorage, Auckland, Oakland	SIA	B773, B77W	B773	1	Singapore	MAAR	2
Anchorage, Auckland, Oakland	SQC	B744	B744	1	Singapore	MAAR	2
ROK	THA	A306	[A30B, A306]	1	Thailand	MAAR	2
ROK	THA	A333	[A332, A333]	1	Thailand	MAAR	2
Anchorage, Oakland	THA	A345	A345	1	Thailand	MAAR	2
Auckland, ROK	THA	B772	B772	1	Thailand	MAAR	2
Auckland, ROK	THA	B773	B773	1	Thailand	MAAR	2
ROK	TNA	A321	[A319, A320, A321]	1	Taiwan	MAAR	2
Auckland	HVL	DC86	[DC86, DC87]	2	United Arab Emirates	MIDRMA	2
ROK	IRA	B74S	B74S	1	Iran (Islamic Republic of)	MIDRMA	2
ROK	MSR	A342	[A342, A343]	1	Egypt	MIDRMA	2
ROK	MSR	B772	B772	1	Egypt	MIDRMA	2
ROK	QTR	A332	[A332, A333]	1	Qatar	MIDRMA	2
Oakland	QTR	B77W	B773	1	Qatar	MIDRMA	2
Auckland, ROK	UAE	A345	A345	1	United Arab Emirates	MIDRMA	2
Oakland	UAE	B772	B772	1	United Arab Emirates	MIDRMA	2
Oakland	UAE	B773	B773	1	United Arab Emirates	MIDRMA	2
ROK, Oakland	UAE	B77L	B772	1	United Arab Emirates	MIDRMA	2
Auckland, ROK, Oakland	UAE	B77W	B773	1	United Arab Emirates	MIDRMA	2
Oakland	AAH	B732	B732	2	United States	NAARMO	1
Oakland	AAL	B752	B752	1	United States	NAARMO	2
Oakland	AAL	B762, B763	[B762, B763]	1	United States	NAARMO	2
Anchorage, Oakland	AAL	B772	B772	1	United States	NAARMO	2
Oakland	ACA	A333	[A332, A333]	1	Canada	NAARMO	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Anchorage, ROK, Oakland	ACA	B763	[B762, B763]	1	Canada	NAARMO	2
Nadi, Anchorage, Oakland	ACA	B772, B77L	B772	1	Canada	NAARMO	2
Anchorage, Oakland	ACA	B77W	B773	1	Canada	NAARMO	2
Oakland	ACA	E190	[E170, E190]	3	Canada	NAARMO	44
Anchorage, Oakland	AMX	B772	B772	1	Mexico	NAARMO	2
Oakland	ASA	B734	[B733, B734, B735]	1	United States	NAARMO	2
Oakland	ASA	B737, B738, B739	[B736, B737, B738, B739]	1	United States	NAARMO	2
Oakland	ATN	DC86	[DC86, DC87]	2	United States	NAARMO	9
Oakland	AWE	A319	[A319, A320, A321]	1	United States	NAARMO	2
Oakland	AWE	A333	[A332, A333]	1	United States	NAARMO	2
Oakland	AWE	B752	B752	1	United States	NAARMO	2
Anchorage, Oakland	BSK	B738	[B736, B737, B738, B739]	1	United States	NAARMO	2
Nadi, Oakland	CKS	B741, B742	[B741, B742, B743]	1	United States	NAARMO	2
Anchorage	CKS	B744	B744	1	United States	NAARMO	2
Oakland	CMI	B738	[B736, B737, B738, B739]	1	United States	NAARMO	2
Oakland	CMI	B764	B764	1	United States	NAARMO	2
Oakland	COA	B738, B739	[B736, B737, B738, B739]	1	United States	NAARMO	2
Oakland	COA	B752	B752	1	United States	NAARMO	2
Oakland	COA	B753	B753	1	United States	NAARMO	2
Oakland	COA	B762	[B762, B763]	1	United States	NAARMO	2
Oakland	COA	B764	B764	1	United States	NAARMO	2
Anchorage,	COA	B772	B772	1	United States	NAARMO	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland							
Oakland	DAL	B752	B752	1	United States	NAARMO	2
Anchorage, Oakland	DAL	B763	[B762, B763]	1	United States	NAARMO	2
Anchorage, Oakland	DAL	B764	B764	1	United States	NAARMO	2
Anchorage, Oakland	DAL	B772	B772	1	United States	NAARMO	2
Anchorage, ROK, Oakland	EIA	B741, B742	[B741, B742, B743]	1	United States	NAARMO	2
Anchorage, Oakland	EIA	B744	B744	1	United States	NAARMO	2
Anchorage	FDX	B752	B752	1	United States	NAARMO	2
Oakland	FDX	DC10	DC10	1	United States	NAARMO	2
Anchorage, Nadi, ROK, Oakland	FDX	MD11	MD11	1	United States	NAARMO	2
Anchorage, Oakland	GTI	B742	[B741, B742, B743]	1	United States	NAARMO	2
Anchorage	GTI	B744	B744	1	United States	NAARMO	2
Auckland, Nadi, Tahiti, Oakland	HAL	B763	[B762, B763]	1	United States	NAARMO	2
Auckland, Oakland	MGE	B722	[B721, B722]	1	United States	NAARMO	2
Oakland	NAC	B732	B732	2	United States	NAARMO	1
Anchorage, Oakland	NAO	B763	[B762, B763]	1	United States	NAARMO	2
Anchorage, ROK, Oakland	NWA	A332, A333	[A332, A333]	1	United States	NAARMO	2
Anchorage, ROK, Oakland	NWA	B742	[B741, B742, B743]	1	United States	NAARMO	2
Anchorage, Oakland	NWA	B744	B744	1	United States	NAARMO	2
Anchorage,	NWA	B752	B752	1	United States	NAARMO	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland							
Oakland	NWA	B753	B753	1	United States	NAARMO	2
Oakland	OAE	B752	B752	1	United States	NAARMO	2
Anchorage, Nadi, Nadi, Oakland	PAC	B744	B744	1	United States	NAARMO	2
Oakland	RYN	B722	[B721, B722]	1	United States	NAARMO	2
Anchorage	RYN	B752	B752	1	United States	NAARMO	2
Oakland	SGB	B732	B732	2	United States	NAARMO	3
Anchorage, ROK, Oakland	SOO	B742, B743	[B741, B742, B743]	1	United States	NAARMO	2
Oakland	SWA	B737	[B736, B737, B738, B739]	1	United States	NAARMO	2
Oakland	TCF	E170	[E170, E190]	2	United States	NAARMO	35
Oakland	UAL	A320	[A319, A320, A321]	1	United States	NAARMO	2
Anchorage, Auckland, Nadi, Tahiti, Oakland	UAL	B744	B744	1	United States	NAARMO	2
Oakland	UAL	B752	B752	1	United States	NAARMO	2
Oakland	UAL	B763	[B762, B763]	1	United States	NAARMO	2
Anchorage, ROK, Oakland	UAL	B772	B772	1	United States	NAARMO	2
Anchorage, ROK, Oakland	UPS	B744	B744	1	United States	NAARMO	2
ROK, Oakland	UPS	B752	B752	1	United States	NAARMO	2
Anchorage, ROK, Oakland	UPS	B763	[B762, B763]	1	United States	NAARMO	2
Anchorage, Nadi, ROK, Oakland	UPS	MD11	MD11	1	United States	NAARMO	2
Oakland	WJA	B737, B738	[B736, B737, B738, B739]	1	Canada	NAARMO	2
Anchorage	WOA	DC10	DC10	1	United States	NAARMO	2
Oakland	WOA	MD11	MD11	1	United States	NAARMO	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
ROK, Oakland	AAR	A320, A321	[A319, A320, A321]	1	Republic of Korea	PARMO	2
ROK	AAR	A333	[A332, A333]	1	Republic of Korea	PARMO	2
Anchorage, ROK, Oakland	AAR	B744	B744	1	Republic of Korea	PARMO	2
ROK	AAR	B763	[B762, B763]	1	Republic of Korea	PARMO	2
Anchorage, ROK, Oakland	AAR	B772	B772	1	Republic of Korea	PARMO	2
Auckland, Nadi	ANZ	A320	[A319, A320, A321]	1	New Zealand	PARMO	2
Auckland	ANZ	B733	[B733, B734, B735]	1	New Zealand	PARMO	2
Auckland, Nadi, Tahiti, Oakland	ANZ	B744	B744	1	New Zealand	PARMO	2
Auckland, Nadi, Tahiti, Oakland	ANZ	B763	[B762, B763]	1	New Zealand	PARMO	2
Auckland, Nadi, Tahiti, Oakland	ANZ	B772	B772	1	New Zealand	PARMO	2
Auckland, Nadi	AVN	B733	[B733, B734, B735]	1	Vanuatu	PARMO	2
Nadi	AVN	B737, B738	[B736, B737, B738, B739]	1	Vanuatu	PARMO	2
Auckland, Nadi, Oakland	FJI	B737, B738	[B736, B737, B738, B739]	1	Fiji	PARMO	2
Auckland, Nadi, Oakland	FJI	B744	B744	1	Fiji	PARMO	2
Auckland, Nadi, Oakland	FJI	B763	[B762, B763]	1	Fiji	PARMO	2
Nadi	FJI	B772	B772	1	Fiji	PARMO	2
ROK	KAL	A306	[A30B, A306]	1	Republic of Korea	PARMO	2
Nadi, ROK, Oakland	KAL	A332, A333	[A332, A333]	1	Republic of Korea	PARMO	2
Nadi	KAL	A388	A388	2	Republic of Korea	PARMO	1
ROK	KAL	B738, B739	[B736, B737, B738, B739]	1	Republic of Korea	PARMO	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Anchorage, Auckland, Nadi, ROK, Oakland	KAL	B744	B744	1	Republic of Korea	PARMO	2
Anchorage, Auckland, Nadi, ROK, Oakland	KAL	B772	B772	1	Republic of Korea	PARMO	2
ROK	KAL	B773	B773	1	Republic of Korea	PARMO	2
Auckland, Nadi	PBN	B738	[B736, B737, B738, B739]	1	New Zealand	PARMO	2
Auckland	RBA	B763	[B762, B763]	1	Brunei Darussalam	2	
Oakland	PLM	B744	B744	1	Spain	SATMA	2

Appendix B

Monitoring Requirements for IGA Operations Observed by the PARMO

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Nadi	SOL701	F100	F100	1	Solomon Islands	AAMA	2
Oakland	VHCGF	GLF4	GLF4	1	Australia	AAMA	2
Nadi	VHJCX	LJ36	[LJ35, LJ36]	2	Australia	AAMA	?
Nadi	VHLNJ	BE20	BE20	2	Australia	AAMA	?
Nadi	VHNGA	WW24	WW24	3	Australia	AAMA	1
Oakland	VHNXC	B712	B712	1	Australia	AAMA	2
Oakland	VHNXF	B712	B712	1	Australia	AAMA	2
Nadi	VHNXF	B772	B772	1	Australia	AAMA	2
Auckland	VHVBA	B737	[B736, B737, B738, B739]	1	Australia	AAMA	2
Oakland	VHVGX	GLEX	GLEX	2	Australia	AAMA	?
Oakland	PRGGF	B738	[B736, B737, B738, B739]	1	Brazil	CARSAMMA	2
Oakland	PRGPA	F900	[F900, F900EX]	2	Brazil	CARSAMMA	?
Tahiti, Oakland	PRVDR	GLEX	GLEX	2	Brazil	CARSAMMA	?
Oakland	CSDKF	GLF5	GLF5	1	Portugal	CMA	2
Oakland	GTAYC	GLF4	GLF4	1	United Kingdom	CMA	2
Oakland	SERDZ	GLF5	GLF5	1	Sweden	CMA	2
Oakland	VPBGG	FA7X	FA7X	3	Ireland	CMA	1
Oakland	EXH141	GLF5	GLF5	1	Switzerland	EUROCONTROL	2
Tahiti	EXH221	GLF5	GLF5	1	Switzerland	EUROCONTROL	2
Tahiti	EXH252	GLF5	GLF5	1	Switzerland	EUROCONTROL	2
Auckland, Tahiti	EXH261	GLF5	GLF5	1	Switzerland	EUROCONTROL	2
Auckland, Tahiti	EXH271	GLF5	GLF5	1	Switzerland	EUROCONTROL	2
Nadi	FONYY	C525	C525	2	France	EUROCONTROL	?
Oakland	HBJES	GLF5	GLF5	1	Switzerland	EUROCONTROL	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
ROK	IDDFV	F2TH	F2TH	2	Italy	EUROCONTROL	?
Nadi, Oakland	OEIDM	F900	[F900, F900EX]	2	Austria	EUROCONTROL	?
Oakland	OEIKM	GLEX	GLEX	2	Austria	EUROCONTROL	?
Oakland	OOCBC	B744	B744	1	Belgium	EUROCONTROL	2
Oakland	TCRMK	F2TH	F2TH	2	Turkey	EUROCONTROL	?
ROK	VLK	T204	T204	2	Russian Federation	EUROCONTROL	?
Oakland	JA501A	GLF5	GLF5	1	Japan	Japan RMA	2
Anchorage	BKID	GLF5	GLF5	1	Hong Kong, China	MAAR	2
Anchorage, Oakland	VPBJE	CL60	CL60	1	Hong Kong, China	MAAR	2
Oakland	A4OBC	B738	[B736, B737, B738, B739]	1	Oman	MIDRMA	2
Oakland	BJS	CL30	CL30	3	United States	NAARMO	1
Oakland	BJS	CL60	CL60	1	United States	NAARMO	2
Oakland	BJS	LJ40	LJ40	3	United States	NAARMO	1
Oakland	BJS	LJ45	LJ45	2	United States	NAARMO	1
Oakland	BJT34	GLF5	GLF5	1	United States	NAARMO	2
Nadi	CFH36	LJ36	[LJ35, LJ36]	2	Canada	NAARMO	1
Oakland	CGBKB	CL60	CL60	1	Canada	NAARMO	1
Oakland	CGGBL	CL60	CL60	1	Canada	NAARMO	1
Oakland	CGIXI	CL60	CL60	1	Canada	NAARMO	1
Oakland	CGLUL	GLEX	GLEX	2	Canada	NAARMO	1
Oakland	CGNEQ	C680	C680	3	Canada	NAARMO	1
Oakland	CGNET	FA50	[FA50, FA50EX]	2	Canada	NAARMO	1
Oakland	CGOIL	FA50	[FA50, FA50EX]	2	Canada	NAARMO	1
Oakland	CNK	F900	[F900, F900EX]	2	Canada	NAARMO	1
Oakland	CWZ207	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	EJM	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	EJM	GALX	GALX	2	United States	NAARMO	2
Oakland	EJM	GLF4	GLF4	1	United States	NAARMO	2

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	GTH9	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	KAI	GLF4	GLF4	1	United States	NAARMO	2
Oakland	KAI	GLF5	GLF5	1	United States	NAARMO	2
Oakland	LN17LJ	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	LN838JL	H25B	H25B	2	United States	NAARMO	1
Oakland	LN911GU	WW24	WW24	3	United States	NAARMO	1
Oakland	LXJ	CL30	CL30	3	United States	NAARMO	10
Oakland	LXJ	CL60	CL60	1	United States	NAARMO	2
Oakland	N1	GLF4	GLF4	1	United States	NAARMO	1
Anchorage, Oakland	N100ES	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N100LA	H25B	H25B	2	United States	NAARMO	1
Anchorage	N100TM	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N107PT	C25B	C25B	2	United States	NAARMO	1
Tahiti, Oakland	N107VS	GLF5	GLF5	1	United States	NAARMO	1
Anchorage, Oakland	N108DB	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N108MS	B737	[B736, B737, B738, B739]	1	United States	NAARMO	1
Oakland	N110EX	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N1125J	ASTR	ASTR	2	United States	NAARMO	1
Oakland	N1125K	ASTR	ASTR	2	United States	NAARMO	1
Anchorage, Oakland	N118MT	CL60	CL60	1	United States	NAARMO	1
Oakland	N11BV	F2TH	F2TH	2	United States	NAARMO	1
Oakland	N120AK	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N120AP	H25B	H25B	2	United States	NAARMO	1
Oakland	N121GV	GALX	GALX	2	United States	NAARMO	1
Oakland	N124EP	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N124TF	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N127GK	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N127PM	C550	C550	2	United States	NAARMO	1
Oakland	N128AB	GLF4	GLF4	1	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N129WA	GLF2	GLF2	2	United States	NAARMO	1
Oakland	N12NZ	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N144KK	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N159JA	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N159NB	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N167AA	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N168CF	MD87	MD80	1	United States	NAARMO	1
Oakland	N168PK	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N170SW	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N171JC	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N177EL	C750	C750	2	United States	NAARMO	1
Oakland	N17A	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N183TX	C25A	C25A	2	United States	NAARMO	1
Oakland	N188TL	C680	C680	3	United States	NAARMO	1
Oakland	N1925M	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N194K	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N19VF	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N1AK	C560	C560	1	United States	NAARMO	1
Oakland	N1NA	CL60	CL60	1	United States	NAARMO	1
Oakland	N1TM	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N1Z	GALX	GALX	2	United States	NAARMO	1
Oakland	N200A	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N206CT	A320	[A319, A320, A321]	1	United States	NAARMO	1
Oakland	N211HS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N212BA	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N213BA	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N215RX	C750	C750	2	United States	NAARMO	1
Oakland	N217AL	C750	C750	2	United States	NAARMO	1
Tahiti, Oakland	N218WW	GLF4	GLF4	1	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N222GY	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N222NB	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N223SV	C680	C680	3	United States	NAARMO	1
Oakland	N226QS	F2TH	F2TH	2	United States	NAARMO	1
Oakland	N226RS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N228H	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N233KC	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N233QS	F2TH	F2TH	2	United States	NAARMO	1
Nadi, Oakland	N234GX	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N241N	CL60	CL60	1	United States	NAARMO	1
Oakland	N246GS	C525	C525	2	United States	NAARMO	1
Oakland	N254AM	CL60	CL60	1	United States	NAARMO	1
Oakland	N255CC	CL60	CL60	1	United States	NAARMO	1
Oakland	N25VC	SBR1	SBR1	2	United States	NAARMO	1
Oakland	N269HM	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N273JC	FA7X	FA7X	3	United States	NAARMO	1
Nadi, Oakland	N2767	B762	[B762, B763]	1	United States	NAARMO	1
Oakland	N279AJ	LJ45	LJ45	2	United States	NAARMO	1
Oakland	N27X	CL60	CL60	1	United States	NAARMO	1
Anchorage, Oakland	N282Q	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N283RA	C25B	C25B	2	United States	NAARMO	1
Oakland	N286CX	F2TH	F2TH	2	United States	NAARMO	1
Oakland	N296SB	CL30	CL30	3	United States	NAARMO	1
Oakland	N297GB	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N302AK	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N308AB	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N311CG	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N324FP	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N324SM	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N333MX	F2TH	F2TH	2	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Anchorage, ROK, Oakland	N338TP	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N349K	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N350EF	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N351EF	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N351PJ	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N351WC	C56X	C56X	2	United States	NAARMO	1
Oakland	N353EF	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N354EF	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N357EF	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N359SK	J328	J328	2	United States	NAARMO	1
Oakland	N360PL	CL60	CL60	1	United States	NAARMO	1
Oakland	N360SL	CL60	CL60	1	United States	NAARMO	1
Oakland	N361PJ	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N362FW	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N364CL	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Tahiti, Oakland	N368AG	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N36DA	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N36PN	GLF2	GLF2	2	United States	NAARMO	1
Anchorage, Oakland	N371JC	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N3725L	PRM1	PRM1	2	United States	NAARMO	1
Oakland	N376PJ	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N380GA	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N383LS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N384MP	CL60	CL60	1	United States	NAARMO	1
Oakland	N386RL	WW24	WW24	3	United States	NAARMO	1
Anchorage, Oakland	N388LS	L101	L101	1	United States	NAARMO	1
Oakland	N393E	C550	C550	2	United States	NAARMO	1
Oakland	N398LS	C550	C550	2	United States	NAARMO	1
Oakland	N400KE	FA50	[FA50, FA50EX]	2	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N401HF	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N401RJ	CL60	CL60	1	United States	NAARMO	1
Oakland	N403QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N405QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N413LC	C560	C560	1	United States	NAARMO	1
Oakland	N414KD	C25B	C25B	2	United States	NAARMO	1
Oakland	N416BD	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N416HF	C560	C560	1	United States	NAARMO	1
Oakland	N41AU	ASTR	ASTR	2	United States	NAARMO	1
Oakland	N420PD	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N420QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N422QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N426CM	C750	C750	2	United States	NAARMO	1
Oakland	N427CJ	FA10	FA10	2	United States	NAARMO	1
Oakland	N428QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N440QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N441BC	ASTR	ASTR	2	United States	NAARMO	1
Oakland	N443M	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N448AS	CL30	CL30	3	United States	NAARMO	1
Oakland	N44EG	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N44LX	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N450CB	GLF3	GLF3	2	United States	NAARMO	1
Anchorage, Oakland	N450RG	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N452QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N45PH	CL60	CL60	1	United States	NAARMO	1
Oakland	N460QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N468KL	CL60	CL60	1	United States	NAARMO	1
Oakland	N470QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N470SK	C56X	C56X	2	United States	NAARMO	1
Oakland	N473CW	GLF4	GLF4	1	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N475QS	GLF4	GLF4	1	United States	NAARMO	1
Anchorage	N47EG	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N486QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N487QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N488CH	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N48BV	C550	C550	2	United States	NAARMO	1
Oakland	N490QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N495MH	C550	C550	2	United States	NAARMO	1
Oakland	N495QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N498QS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N49MN	ASTR	ASTR	2	United States	NAARMO	1
Oakland	N5000X	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N500KE	WW24	WW24	3	United States	NAARMO	1
Oakland	N501JG	C501	C501	3	United States	NAARMO	1
Anchorage, Oakland	N502QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N507QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N508QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N508RN	PRM1	PRM1	2	United States	NAARMO	1
Oakland	N509QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N50KC	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N50TC	B737	[B736, B737, B738, B739]	1	United States	NAARMO	1
Oakland	N510AZ	C510	C510	3	United States	NAARMO	1
Anchorage, Oakland	N511QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N516QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N518QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N51FL	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N525AK	WW24	WW24	3	United States	NAARMO	1
Oakland	N525CD	C525	C525	2	United States	NAARMO	1
Oakland	N525LF	C525	C525	2	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N526DV	C25A	C25A	2	United States	NAARMO	1
Oakland	N528CB	C525	C525	2	United States	NAARMO	1
Anchorage, Oakland	N528QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N52EF	LJ31	LJ31	2	United States	NAARMO	1
Oakland	N531AF	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N531QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N535PS	LJ31	LJ31	2	United States	NAARMO	1
Oakland	N537XJ	CL30	CL30	3	United States	NAARMO	1
Oakland	N53NA	E135	[E135, E145]	1	United States	NAARMO	1
Oakland	N5411	C501	C501	3	United States	NAARMO	1
Oakland	N543SC	C550	C550	2	United States	NAARMO	1
Oakland	N545CC	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N546QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N54PA	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Tahiti	N550GW	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N550KF	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N558AK	C560	C560	1	United States	NAARMO	1
Oakland	N55RF	H25B	H25B	2	United States	NAARMO	1
Oakland	N560CG	C56X	C56X	2	United States	NAARMO	1
Oakland	N560RV	C560	C560	1	United States	NAARMO	1
Oakland	N565NC	C550	C550	2	United States	NAARMO	1
Anchorage, Oakland	N565ST	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N573TR	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Tahiti	N57LE	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N583AJ	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N583CE	C560	C560	1	United States	NAARMO	1
Oakland	N583HA	B763	[B762, B763]	1	United States	NAARMO	1
Oakland	N585DG	C525	C525	2	United States	NAARMO	1
Oakland	N585JC	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N586HA	B763	[B762, B763]	1	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N58CW	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N58LC	CL30	CL30	3	United States	NAARMO	1
Auckland, Oakland	N593HA	B763	[B762, B763]	1	United States	NAARMO	1
Oakland	N5950C	G150	G150	3	United States	NAARMO	1
Oakland	N5NG	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N601BW	CL60	CL60	1	United States	NAARMO	1
Oakland	N604CA	CL60	CL60	1	United States	NAARMO	1
Oakland	N604RB	CL60	CL60	1	United States	NAARMO	1
Oakland	N604SB	CL60	CL60	1	United States	NAARMO	1
Oakland	N604SJ	CL60	CL60	1	United States	NAARMO	1
Anchorage	N607PM	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N608DC	ASTR	ASTR	2	United States	NAARMO	1
Oakland	N60WL	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N616DC	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N620JH	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N621JH	GLF4	GLF4	1	United States	NAARMO	1
Anchorage	N624BP	GLEX	GLEX	2	United States	NAARMO	1
Anchorage, Oakland	N628BD	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N634H	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N63MU	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N650LG	CL60	CL60	1	United States	NAARMO	1
Oakland	N650LR	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N676TC	E135	[E135, E145]	1	United States	NAARMO	1
Oakland	N678CH	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N681CE	C560	C560	1	United States	NAARMO	1
Oakland	N683EF	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N69AY	C510	C510	3	United States	NAARMO	1
Oakland	N6D	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N700GB	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N700KS	GLEX	GLEX	2	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N701CN	TBM7	TBM7	3	United States	NAARMO	1
Oakland	N702DR	E135	[E135, E145]	1	United States	NAARMO	1
Anchorage, Oakland	N703LH	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N705LX	C750	C750	2	United States	NAARMO	1
Oakland	N707AM	FA10	FA10	2	United States	NAARMO	1
Oakland	N707SG	GALX	GALX	2	United States	NAARMO	1
Oakland	N70PS	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N710LC	C560	C560	1	United States	NAARMO	1
Oakland	N711EJ	FA10	FA10	2	United States	NAARMO	1
Oakland	N711GL	GLF4	GLF4	1	United States	NAARMO	1
Anchorage, Oakland	N712KT	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N717DM	C550	C550	2	United States	NAARMO	1
Tahiti, Oakland	N71PG	LJ35	[LJ35, LJ36]	2	United States	NAARMO	1
Oakland	N721MC	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N722FS	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N723CC	LJ55	LJ55	2	United States	NAARMO	1
Oakland	N724AF	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N726QS	GALX	GALX	2	United States	NAARMO	1
Oakland	N728LW	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N728TG	WW24	WW24	3	United States	NAARMO	1
Oakland	N730QS	GALX	GALX	2	United States	NAARMO	1
Oakland	N737QS	GALX	GALX	2	United States	NAARMO	1
Oakland	N740BA	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N740VC	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N749QS	GALX	GALX	2	United States	NAARMO	1
Oakland	N74FS	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N750CW	C750	C750	2	United States	NAARMO	1
Oakland	N750GS	C750	C750	2	United States	NAARMO	1
Oakland	N751JC	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N752S	F2TH	F2TH	2	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N755PA	GALX	GALX	2	United States	NAARMO	1
Oakland	N757XJ	C750	C750	2	United States	NAARMO	1
Oakland	N760	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N760XJ	C750	C750	2	United States	NAARMO	1
Oakland	N770FG	FA20	FA20	2	United States	NAARMO	1
Oakland	N770XJ	C750	C750	2	United States	NAARMO	1
Oakland	N772PP	LJ60	LJ60	1	United States	NAARMO	1
Oakland	N7734T	LJ60	LJ60	1	United States	NAARMO	1
Oakland	N779XJ	C750	C750	2	United States	NAARMO	1
Oakland	N77DB	C525	C525	2	United States	NAARMO	1
Oakland	N77WL	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N783FS	F2TH	F2TH	2	United States	NAARMO	1
Oakland	N785QS	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N787XJ	C750	C750	2	United States	NAARMO	1
Oakland	N791BP	B350	B350	3	United States	NAARMO	1
Oakland	N794MH	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N79BK	C501	C501	3	United States	NAARMO	1
Oakland	N800PJ	GALX	GALX	2	United States	NAARMO	1
Oakland	N803E	BE40	BE40	2	United States	NAARMO	1
Oakland	N805M	H25B	H25B	2	United States	NAARMO	1
Anchorage, Oakland	N810LP	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N811DF	GLF4	GLF4	1	United States	NAARMO	1
Tahiti, Oakland	N813QS	GLF5	GLF5	1	United States	NAARMO	1
Anchorage, Oakland	N818DA	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N818JW	GALX	GALX	2	United States	NAARMO	1
Oakland	N818TJ	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N820MS	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N823DF	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N824LA	FA10	FA10	2	United States	NAARMO	1
Oakland	N825CP	H25B	H25B	2	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N826TH	MD87	MD80	1	United States	NAARMO	1
Anchorage	N828KD	CL60	CL60	1	United States	NAARMO	1
Oakland	N834DC	C550	C550	2	United States	NAARMO	1
Oakland	N836BA	B737	[B736, B737, B738, B739]	1	United States	NAARMO	1
Oakland	N837AC	C525	C525	2	United States	NAARMO	1
Anchorage	N838JL	H25B	H25B	2	United States	NAARMO	1
Oakland	N83TY	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N851CB	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N851GG	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N853CC	H25B	H25B	2	United States	NAARMO	1
Oakland	N856F	F2TH	F2TH	2	United States	NAARMO	1
Oakland	N85D	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N85SM	EA50	EA50	3	United States	NAARMO	1
Oakland	N85V	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N868BT	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N8783	LJ60	LJ60	1	United States	NAARMO	1
Oakland	N88692	C441	C441	3	United States	NAARMO	1
Tahiti	N889CP	GLEX	GLEX	2	United States	NAARMO	1
Nadi, Oakland	N889TC	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N89HS	ASTR	ASTR	2	United States	NAARMO	1
Oakland	N89LS	C550	C550	2	United States	NAARMO	1
Anchorage, Tahiti, Oakland	N900EX	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N900MG	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N900RX	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N900TG	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N900VL	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N900WF	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N902BW	CL60	CL60	1	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N902L	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N907DP	ASTR	ASTR	2	United States	NAARMO	1
Oakland	N907QS	C750	C750	2	United States	NAARMO	1
Oakland	N907SB	FA7X	FA7X	3	United States	NAARMO	1
Oakland	N907WS	CL60	CL60	1	United States	NAARMO	1
Oakland	N909LX	E135	[E135, E145]	1	United States	NAARMO	1
Oakland	N90EW	GLEX	GLEX	2	United States	NAARMO	1
Oakland	N910LX	E135	[E135, E145]	1	United States	NAARMO	1
Oakland	N910MW	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N911GU	WW24	WW24	3	United States	NAARMO	1
Oakland	N924QS	C750	C750	2	United States	NAARMO	1
Oakland	N929ML	FA50	[FA50, FA50EX]	2	United States	NAARMO	1
Oakland	N92TH	B350	B350	3	United States	NAARMO	1
Oakland	N930QS	C750	C750	2	United States	NAARMO	1
Nadi	N933ML	CL60	CL60	1	United States	NAARMO	1
Oakland	N937QS	C750	C750	2	United States	NAARMO	1
Oakland	N938QS	C750	C750	2	United States	NAARMO	1
Oakland	N939AJ	E135	[E135, E145]	1	United States	NAARMO	1
Oakland	N939KM	GLF3	GLF3	2	United States	NAARMO	1
Oakland	N939TW	C560	C560	1	United States	NAARMO	1
Anchorage	N940DC	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N945QS	C750	C750	2	United States	NAARMO	1
Oakland	N949QS	C750	C750	2	United States	NAARMO	1
Oakland	N950JB	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N950SW	GLF4	GLF4	1	United States	NAARMO	1
Anchorage	N95AE	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N964QS	C750	C750	2	United States	NAARMO	1
Oakland	N970SJ	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N979QS	C750	C750	2	United States	NAARMO	1
Oakland	N982B	GLF2	GLF2	2	United States	NAARMO	1

Observed in TSD (FIR)	Operator	Aircraft Type	Aircraft Monitoring Group	Minimum Monitoring Category	State of Operator	Responsible RMA	Estimate of the Number of Airframes to Monitored
Oakland	N984QS	C750	C750	2	United States	NAARMO	1
Oakland	N987GK	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N987QS	C750	C750	2	United States	NAARMO	1
Oakland	N98RP	F2TH	F2TH	2	United States	NAARMO	1
Oakland	N991LF	GLF5	GLF5	1	United States	NAARMO	1
Oakland	N991TW	CL60	CL60	1	United States	NAARMO	1
Oakland	N992SC	PRM1	PRM1	2	United States	NAARMO	1
Oakland	N9999M	GLF4	GLF4	1	United States	NAARMO	1
Oakland	N999PM	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	N999YY	GLEX	GLEX	2	United States	NAARMO	1
Oakland	NWD	GLF4	GLF4	1	United States	NAARMO	?
Oakland	OPT	BE40	BE40	2	United States	NAARMO	5
Oakland	OPT	C750	C750	2	United States	NAARMO	2
Oakland	PRD914	GLF4	GLF4	1	United States	NAARMO	2
Oakland	PWA46	F900	[F900, F900EX]	2	United States	NAARMO	1
Oakland	SKW	CRJ7	CRJ7	1	United States	NAARMO	2
Oakland	SXA544	LJ31	LJ31	2	United States	NAARMO	1
Oakland	TAG	GLF4	GLF4	1	United States	NAARMO	2
Oakland	TTE560	C560	C560	1	United States	NAARMO	2
Oakland	UJT410	GLF3	GLF3	2	United States	NAARMO	1
Oakland	VNR	P180	P180	2	United States	NAARMO	1
Oakland	VQBMS	B74S	B74S	1	United States	NAARMO	2
Oakland	XAJPS	GLF4	GLF4	1	Mexico	NAARMO	2
Oakland	XAMKI	GLF5	GLF5	1	Mexico	NAARMO	2
Oakland	XASIM	F900	[F900, F900EX]	2	Mexico	NAARMO	1
Oakland	HL7748	GLEX	GLEX	2	Republic of Korea	PARMO	1
Oakland	JPS90	GLF4	GLF4	1	New Zealand	PARMO	2
Nadi	ZKRML	WW24	WW24	3	New Zealand	PARMO	1
Auckland	ZKTLB	B733	[B733, B734, B735]	1	New Zealand	PARMO	2

