



ICAO

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The Combined Tenth Meeting of the South Asia/Indian Ocean ATM Coordination Group (SAIOACG/10) and Twenty—Seventh Meeting of the South-East Asia ATS Coordination Group (SEACG/27)

Video Teleconference, 29 March – 02 April 2021

Agenda Item 3: Review of Current Operations and Problem Areas

MISSING DEPARTURE (DEP) MESSAGES

(Presented by the Secretariat)

SUMMARY

This paper provides an update on the issue of missing departure messages, as discussed at ATFM/SG/8 and ATFM/SG/9, and presented to the Seventh Meeting of the ATM Sub-Group of APANPIRG (ATM/SG/7) in August 2019. Outcomes of ATM/SG/7 discussion are provided in the paper.

1. INTRODUCTION

1.1 An analysis of missing DEP messages had been conducted in 2017, in response to the following APANPIRG Conclusion:

Conclusion APANPIRG/27/12: Origination and Distribution of Departure (DEP) Messages

That, recognizing the importance of AFTN departure (DEP) messages in the management and coordination of flight plans in both manual and automated ATM environments, ICAO be requested to:

- 1. Conduct an analysis of the incidence of non-receipt of DEP messages required by ICAO Doc 4444 Procedures for Air Navigation Services (PANS-ATM) Section 11.4.2.2;*
- 2. Request that States failing to ensure correct transmission of DEP messages promptly take corrective action and report the status of corrective actions to the ICAO APAC Regional Office by 30 April 2017; and*
- 3. Raise APANPIRG Air Navigation Deficiencies against failure by States to comply with Doc 4444 Section 11.4.2.2, at APANPIRG/28.*

1.2 ATM/SG/5 in August 2017 had requested that ongoing analysis be expanded to include missing FPL messages. The March 2018 analysis presented to ATFM/SG/8 resulted in APANPIRG Air Navigation Deficiencies being raised against several Asia/Pacific Region States. An APAC State Letter was also sent to non-APAC States that were demonstrated by the analysis to be systemically failing to send DEP messages.

2. DISCUSSION

Addressing of FPL and Other Related ATS Messages

2.1 There are a number of factors that contribute to the non-receipt of ATS messages at affected ATS units. While this paper is mainly focused on the matter of missing DEP messages, the following information is provided in relation to general aspects of ATS message handling.

2.2 ICAO Doc 4444 Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM) specifies in section 11.2.1.1.1 that messages for ATS purposes (including FPL and associated ATS messages) shall be originated by the appropriate ATS units, except that, through special local arrangements, ATS units may delegate the responsibility for originating movement messages to the pilot, the operator, or its designated representative. Many airlines, accordingly, distribute FPL messages direct to concerned ATS units rather than submitting the flight plan to the air traffic services reporting office for onwards distribution (Doc 4444 section 4.4.2).

2.3 PANS-ATM 11.4.2.2.2 further specifies that a Filed Flight Plan (FPL) message shall be sent to, *inter alia*:

- The Area Control Centre (ACC) or flight information centre serving the control area or FIR within which the departure aerodrome is situated;
- All centres in charge of each FIR or upper FIR along the route; and
- The aerodrome control tower at the destination aerodrome.

2.4 PANS-ATM further specifies in section 11.2.1.2.3.3 that the following three letter designators (forming part of the AFTN address, together with the relevant ICAO four-letter location indicator and a supplementary letter, usually X) shall be used when addressing FPL and other ATS messages to ATS units:

If the message is relevant to an IFR flight ZQZ(X)

If the message is relevant to a VFR flight ZFZ(X)

Aerodrome control tower ZTZ(X)

Air traffic services reporting office ZPZ(X)

Other three-letter designators shall not be used for that purpose

2.5 There are multiple examples of States in the Asia/Pacific Region specifying in their Aeronautical Information Publication (AIP) Section ENR 1.11 that FPL be addressed other than in accordance with PANS-ATM.

2.6 The specification of non-compliant addressing requirements in State AIP (and, in some cases, in NOTAM) contributes to the non-receipt of FPL, DEP, and other related ATS messages.

2.7 There are also cases of States implementing the use of three-letter designators that are not assigned to them in ICAO Doc 8585 *Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services*, but are in fact assigned to other States, authorities, or aircraft operating agencies.

2.8 The specification of non-compliant addresses in AIP is a key factor in missing FPL and associated ATS messages. For example, ANSP responsible for aerodrome reporting offices and other ATS units in distant FIRs that transmit FPL, DEP and other ATS messages are entitled to depend on compliance with the provisions of PANS-ATM by all downstream FIRs, and address ATS messages accordingly. They do not have any obligation to hold or read the AIP or NOTAMs promulgated by a far-distant State.

2.9 It should be noted that there are several States in the Asia/Pacific Region that are fully compliant with the abovementioned provisions of PANS-ATM. These States have, where locally required, implemented simple technology solutions to identify and re-direct FPL and other relevant ATS messages to other internal agencies such as Air Traffic Flow Management Units (ATFMUs) network management centres, centralized flight plan processing facilities, military units, regulators, etc.

2.10 A summary of non-compliant addressing requirements from published by Asia/Pacific Administrations in *online* AIP (Section ENR 1.11) is provided in **Attachment A**. Information from AIPs that are not available online will be further researched by ICAO. The meeting is invited to note that ICAO APAC Office will continue to encourage improved compliance with the provisions of PANS-ATM through direct contact with States, and if necessary through APANPIRG Air Navigation Deficiencies.

2.11 In that regard, the meeting is reminded of the following Conclusion agreed by ATM/SG/7 (2019):

Conclusion ATM/SG/7-5: ATS Message Reception and Handling

Noting that incorrect flight plan addressing requirements published by States in AIP ENR 1.11 contribute to the non-reception of flight plans and associated ATS messages, and that simple technology solutions are readily available to permit redistribution of messages to all necessary internal units and organizations, States are urged to:

- 1. ensure that, in accordance with PANS-ATM 11.4.2.2.2 all FPL and associated ATS messages that are addressed in accordance with PANS-ATM to the centre in charge of each FIR along the route and the destination aerodrome control tower, are correctly received and redistributed to all necessary ATS units by the receiving State;*
- 2. note that, as specified in PANS-ATM 11.2.1.2.3.3, the correct address for the centre in charge of the FIR is [FIR location indicator]ZQZX, and other indicators shall not be used;*
- 3. remove flight plan addressing requirements that do not comply with the above PANS-ATM provisions from AIP ENR 1.11; and*
- 4. ensure that all three letter designators used in addresses are correctly registered in ICAO Doc 8585.*

2.12 The Secretariat was also previously made aware of cases of coercive actions being taken in the APAC Region, involving threats by a State to airspace users and other States that clearances would be refused if the FPL was not addressed to non-compliant addresses published in either NOTAM or AIP. This practice of coercing other ICAO contracting States into non-compliance with the provisions of PANS-ATM is entirely unacceptable. Any continuation or further instances of this behavior will be formally referred to the Council of ICAO for action.

2.13 APAC Administrations receiving communication from any other Administration requesting that ATS messages, including FPL, be forwarded to any AFTN address that does not comply with PANS-ATM procedures are urged to inform the ICAO Regional Office, in order that corrective action may be initiated

DEP Messages Not Received - Data Considerations

2.14 The data on missing FPL and DEP messages does not necessarily, in all cases, reflect failures at the aircraft operator or departure aerodrome ANSP. There may be a number of reasons these messages failed to reach one or more relevant ATS units, including such issues as, for example:

- non-compliant addressing requirements/handling at the reception end, as mentioned above;
- communication network failures;
- rejected message queues (format, syntax, semantic errors) not correctly actioned by the receiving ANSP;
- failure of the Centre in charge of the FIR to correctly re-distribute received messages to all relevant ATS units within the FIR; and/or
- Non-inclusion in FPL of Estimated Elapsed Times (EET) for all FIR boundaries crossed by the flight.

2.15 However, in many cases there are clear systemic issues that must be addressed by the Administration responsible for the aerodrome of departure.

DEP Messages Not Received – Follow-Up Actions

2.16 Following the analysis of missing DEP messages conducted in 2018, ATFM/SG/8 discussed steps to be taken to address the issue. State Letters were consequently sent by the ICAO Asia/Pacific Regional Office as follows:

- State Letters to APAC Administrations for which APANPIRG Air Navigation Deficiencies were proposed for non-compliance with the provisions of PANS-ATM (subsequently agreed by APANPIRG);

Bangladesh, India, Indonesia, Malaysia, Myanmar, Philippines

- A State Letter to all other APAC Administrations, and to non-APAC Administrations through their accredited ICAO Regional Offices, where the analysis indicated systemic failure to send DEP messages.

Replies received only from (APAC) Australia, Lao PDR, Malaysia, Philippines, Republic of Korea and USA, and (non-APAC) Chile, South Africa, Ukraine and United Arab Emirates. Germany provided a reply that indicated the issue was not understood.

2.17 A further 24-hour data gathering activity was conducted on 14 June 2019. The collated data in **Table 1** provides an overall summary:

Reporting State	Inbound/Overflight Plans	Missing DEP Messages	%
Australia	404	5	1.2
China	165	155*	93.9
India	1280	418**	29.1
Japan	925	50	5.4
Singapore	1908	64	3.3
Thailand	1641	62	3.7
Total	6476	754	11.6
* China data did not identify which of its nine FIR/s were sampled, and the data sample provided was substantially smaller than expected.			
** India provided data for each of its four FIRs. There were 418 cases of DEP not received in one or more of the four FIRs			

Table 1: Summary of Missing DEP Messages per Reporting State

Asia/Pacific State Analysis and Deficiencies

2.18 **Attachment B** provides the June 2019 analysis of missing DEP messages per State of Departure (all ICAO Regions). Meeting participants may care to note the continuing failure of non-APAC States to rectify their failure to correctly transmit DEP messages in accordance with PANS-ATM. Most notably, but not limited to:

Bahrain, France, Germany, Kuwait, Qatar, Russia, Saudi Arabia, Turkey, UAE, United Kingdom.

2.19 **Attachment C** summarizes the performance of APAC Administrations for which data was captured in the analysis.

2.20 While the data indicates there has been some improvement in this area in the Asia/Pacific Region, there are still a number of State that need to take further action to address the issue.

2.21 In 2018 ICAO raised APANPIRG ANS Deficiencies against the following Asia/Pacific States for non-compliance with the provisions of PANS-ATM 11.4:

Bangladesh, India, Indonesia, Malaysia, Myanmar, Philippines, Republic of Korea, USA.

2.22 The original criterion used for the ANS Deficiency was the failure to send DEP messages for 10 flights or more. This criterion did not adequately capture poor performance from States with low numbers of international departures. It was therefore agreed by ATFM/SG and ATM/SG that the criteria will be five percent of flights. However, States with very low numbers of international departures, i.e. less than 20 per month, should be excluded from the Deficiency List due to the small sample size, but will be formally contacted by ICAO, and monitored closely.

2.23 Based on this data, the following deleted, new or unchanged ANS Deficiencies in this field were proposed to, and agreed by, APANPIRG/30 in November 2019:

- Deficiency to be deleted: Indonesia, Myanmar, Philippines, Republic of Korea
- New Deficiency to be proposed: Maldives, Nepal,
- Deficiency to remain in place: Bangladesh, India, Malaysia, USA

2.24 APANPIRG/31 (December 2021) endorsed the current list of States having ANS Deficiencies recorded for non-compliance with the requirements of PANS-ATM Section 11.4:

Bangladesh, India, Malaysia, Maldives, Nepal, USA

2.25 The meeting is invited to note that few Administrations achieved 100% of DEP messages transmitted to all relevant participating FIRs. All Administrations should examine their processes and system configuration in order to improve overall performance.

Thailand Update

2.26 Thailand continuously monitors the non-receipt of DEP messages for flights entering the Bangkok FIR, and kindly agreed to provide data for the information of the meeting.

2.27 For the month of February 2021 the following ‘top ten’ States were the most prominent originating States (more than ten flights per month) from which no DEP message was received by Thailand:

United Kingdom, France, Ethiopia, Bahrain (100% DEP missing), Turkey (97%), Bangladesh (35%), Germany (27%), Russia (25%) India (22%)

2.28 **Table 2** summarizes non-receipt of DEP messages for flights originating in the FIRs of SEACG/SAIOACG States for the six months ending in February 2021 (missing DEP/Number of Flights).

Originating State	SEP 2020	OCT 2020	NOV 2020	DEC 2020	JAN 2021	FEB 2021	TOT %
Afghanistan			2/2				100
Bangladesh	67/107	68/100	19/83	24/97	34/100	40/112	42
Bhutan	3/9	1/9	0/13	1/10	0/8	1/8	10
Brunei Darussalam	1/5	1/8	0/6	0/8	0/6	0/4	5
Cambodia	9/157	3/183	2/165	3/169	2/147	0/124	2
China	0/390	0/342	1/382	1/487	2/473	4/356	< 1
India	51/175	35/191	38/227	28/233	43/224	52/233	19
Indonesia	9/67	6/68	8/78	8/100	6/101	6/96	8
Lao PDR	2/21	0/29	1/31	1/18	0/21	0/15	3
Malaysia	41/227	47/253	51/234	36/236	39/240	29/200	17
Maldives	0/2	2/11	2/6	0/9	0/7	3/10	15
Myanmar	2/149	13/131	3/170	5/141	4/146	1/86	3
Nepal	0/34	0/53	0/36	0/24	0/45	1/43	< 1
Pakistan	0/8	1/9	0/9	2/8	3/9	0/6	12
Philippines	6/364	11/371	8/412	8/435	8/477	2/385	2
Singapore	1/315	2/392	2/408	2/371	2/405	1/328	< 1
Sri Lanka	0/43	0/47	0/67	1/83	1/77	0/57	< 1
USA	4/5	4/5	7/15	2/15	0/22	1/11	24
Viet Nam	2/252	3/317	21/383	7/317	0/295	1/230	2

Table 2: Non-receipt of DEP Messages for Flights Entering the Bangkok FIR per Originating State – September 2020 to February 2021

Ongoing Activities

2.29 The work on missing DEP messages was initially carried out as a result of ATFM/SG discussion, noting that DEP messages currently provide the first real-time information used to update demand calculations in most ATFM processes. However, DEP messages have a broader impact, also serving an important role in both manual and automated ATM systems. This work will therefore continue, with data examined by ATFM/SG under the oversight of ATM/SG.

2.30 The issue was also raised with ICAO Headquarters by the ICAO APAC Regional Office, and by Thailand with the ATM Operations Panel. The Secretariat and Thailand have also made separate direct approaches to relevant States and International Organizations.

2.31 Other States having the capability are requested to participate in data gathering activities to support ongoing monitoring.

COVID-19 Pandemic Impact

2.32 The ATFM/SG Chair and ICAO Secretariat had planned to conduct further data gathering and analysis of missing DEP messages in the March-April 2020 timeframe. The onset of the COVID-19 pandemic and the resultant reduction in international aviation activity, generally considered to have reduced by about 85%, was thought to render any such data analysis unrepresentative. While traffic levels have only partly recovered, the importance of this issue is such that it should continue to be monitored. Therefore, another regional analysis is being planned for reporting to ATFM/SG/11 in July 2021.

2.33 The analysis of incorrect FPL addressing requirements mentioned in paragraphs 2.1 to 2.13 of this paper will continue. Participants are urged to ensure their Administration responds to any requests for further information by the ICAO Regional Office.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) note and discuss:
 - i) note the ICAO Doc 4444 PANS-ATM procedures for the addressing of FPL and ATS messages;
 - ii) the contribution of incorrect addressing requirements published in AIP ENR 1.11, and as highlighted in **Attachment A**, to missing FPL and associated ATS messages including DEP;
 - iii) the potential for APANPIRG Air Navigation Deficiencies, where appropriate, in cases where AIP ENR 1.11 does not comply with PANS-ATM
- c) comply with conclusion **ATM/SG/7-5: ATS Message Reception and Handling**;
- d) inform the ICAO APAC Regional Office in the event that any Administration requests the forwarding of FPL and other ATS messages to addresses that are not compliant with the provisions of PANS-ATM;
- e) note and discuss the data analysis provided in **Attachments B and C**;
- f) note the list of current ANS Deficiencies relating to non-compliance with PANS-ATM Section 11.4, as agreed by APANPIRG/31;
- g) take all steps to examine processes and system configuration, to improve performance in DEP message transmission;

- h) participate in future data gathering and analysis activities; and
- i) discuss any relevant matters as appropriate.

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ANALYSIS OF AIP ENR 1.11 FPL ADDRESSING REQUIREMENTS – APAC ADMINISTRATIONS¹

States	Compliance	Addresses (PRIMARY FOCUS ON INBOUND OR OVERFLIGHTS)
Afghanistan	No	Kabul (OAKB) - OAKBZTZX OAKBYWYX, OAKBZPZX Kabul Area Control Center (KACC) - OAKXZQZX OAKBZQZX OAKKZQZX <i>YFMS YAYX YWYX not compliant with PANS-ATM 11.2.1.2.3.3. ZPZX is only required for departing flights OAKB = Kabul International Airport (OAKX – Kabul ACC/FIC) OAKK is not a valid Location Indicator</i>
Australia	Yes	Brisbane FIR - YBBBZQZX Melbourne FIR - YMMMZQZX Departure or destination aerodrome ICAO Location indicator ZTZX
Bangladesh	No	Into or via FIR and/or TMA: VGFRZQZX, VGHSZAZX VGFRZQZX, VGHSZQZX, VGHSZAZX VGFRZQZX, VGEGZTZX, VGHSZAZX VGFRZQZX, VGSYZTZX, VGHSZAZX Outbound VGFRZQZX, VGHSZQZX, VGHSZAZX VGFRZQZX, VGEGZTZX, VGHSZAZX VGFRZQZX, VGSYZTZX, VGHSZAZX <i>ZAZX is not compliant with PANS-ATM 11.2.1.2.3.3. VGHSZQZX is not a valid address (ZQZX = CENTRE IN CHARGE OF FIR, i.e. VGFRZQZX)</i>
Bhutan	Yes	Paro - VQPRZTZX VQPRZPZX Bumthnag - VQBTZTZX VQPRZPZX Gelephu - VQGPZTZX VQPRZPZX Yonphula - VQTYZTZX VQPRZPZX
Brunei Darussalam		

¹ Includes data from AIP available online. Further analysis of the AIPs of the remaining States will be undertaken.

China	No	<p>ZBPEZQZX ZGZUZQZX ZPKMZQZX ZLHWZQZX ZISAZQZX ZSHAZQZX ZYSHZQZX ZWUQZQZX ZHWHZQZX</p> <p>For traffic flow management service: ZBBZFPM ZSSZFPM</p> <p>Specific flights East China Sea ADIZ (Refer ENR5.2.1) - ZBBBZGZX ZSACZQZX R200 (BTN BEBEM and OLDID) - VHHKZQZX (FPL/CHG/DLA/CNL/DEP)</p> <p><i>ZSAC is not a valid Location Indicator (Doc 7910) ZSACZQZX is not the centre in charge of any FIR ADIZ addressing requirement is not compliant with PANS-ATM ZFPM and ZGZX are not compliant with PANS-ATM 11.2.1.2.3.3. ZFPM does not designate an air traffic flow control unit</i></p>
Hong Kong, China	Yes	<p>Inbound to Hong Kong or transiting Hong Kong FIR - VHHKZQZX Outbound from Hong Kong – VHHHPZA</p>
Macao, China	No	<p>Inbound to Macao – VMMCZTX, VHHKZQZX, ZBBZFPM, ZSSZFPM, ZGZUZQZX, ZGJDZAZX</p> <p>Outbound from Macao – VMMCZPZX</p> <p><i>ZFPM ZAZX are not compliant with PANS-ATM 11.2.1.2.3.3. ZGJDZQZX is not the centre in charge of any FIR.</i></p>
Cook Islands		
Fiji	Yes	<p>NFFFZQZX ICAO Location indicator ZTZX</p>
India	No	<p>All flights landing in India or transiting through Indian FIRs may use ZQZX, ZRZX and ZTZX for addressing to the respective Flight Information Centre, Area Control Centre & Aerodrome Control Tower.</p> <p><i>ZRZX is not compliant with PANS-ATM 11.2.1.2.3.3.</i></p>
Indonesia	No	<p>Jakarta FIR - WIIIZQZX Ujung Pandang FIR - WAAAZQZX Destination and Alternate Aerodrome Aerodrome's Location Indicator +ZPZ+X Into or Via Jakarta FIR and Ujung Pandang FIR WRRRZEZX</p> <p><i>PANS-ATM does not require FPL addressing to alternate aerodromes ZEZX is not compliant with PANS-ATM 11.2.1.2.3.3.</i></p>

Japan	No	<p>IFR flights – RJJZQZX VFR flights – RJJYFYQ, RJCCYSYA/RJSSYSYA (six more examples YSYA) RJTZYWYX (flights through ADIZ) ICAO Location indicator + ZPZX</p> <p>YSYA YWYX not compliant with PANS-ATM 11.2.1.2.3.3.</p>
Kiribati		
Lao PDR		
Malaysia	Maybe	<p>WMFCZQZX [various]ZTZX WBFCZQZX</p> <p><i>The following text is no longer present in AIP Malaysia, but there may be some data missing from AIP ENR 1.11</i></p> <p>Butterworth – WMKBYWYX, WMKBZAZX Kuantan Airport – WMKDYWYX Kuching International – WBGZTZX, WBGZRZX</p> <p>YWYX ZAZX YWYX ZRZX not compliant with PANS-ATM</p>
Maldives	No	<p>VRMFZQZX, VRMMZTZX, VRMMZPZX</p> <p>In addition, for flights into Male' TMA, VRMFZQZX, VRMMZTZX, VRMMZPZX</p> <p>ZPZX is for departure flights, for distribution of the FPL Unable to update March 2021</p>
Marshal Island		
Micronesia		
Mongolia	No	<p>IFR flights - ZMUBZRZX, ZMUBZRZA, ZMUBZRZB, ZMUBZQZX, ZMUBZRZQ, ZMUBYAYX, ZMUBZTZX, ZMUBZGZX VFR flights - ZMUBZRZX, ZMUBZRZA, ZMUBZRZB, ZMUBZQZX, ZMUBZRZQ, ZMUBYAYX, ZMUBZFZX, ZMUBZLZX, ZMUBZTZX, ZMUBZGZX</p> <p>All flights - ZMUBZPZX, ZMUBZTZX</p> <p>ZRZX ZRZA ZRZB YAYX ZGZX ZLZX not compliant with PANS-ATM 11.2.1.2.3.3. ZLZ is not a valid three-letter designator (Doc 8585)</p>
Myanmar	Yes	VYYFZQZX VYYYZTZX
Nauru		
Nepal	No	<p>VNSMZQZX VNKTZRZX VNKTZAZX * + ZTZX</p> <p>ZRZ ZAZ not compliant with PANS-ATM 11.2.1.2.3.3.</p>
New Zealand	Yes	NZZOZQZX NZCZQZX NZCZFX * + ZTZX

Attachment A

Pakistan	No	<p>Karachi FIR – OPKCZIZX, OPKCZRZX, OPKCZRZA, OPKCZPZX, OPKRZRZA, OPKRZRZB</p> <p>Lahore FIR - OPLAZIZX, OPLRZQZX, OPLAZRZA, OPLRATMA, OPLRATMB</p> <p>Cherat CTR - OPLAZIZX, OPLRZQZX, OPCTZTZX, OPRNZRZA</p> <p>Multan TMA - OPMTZTZX, OPMTYFYX.</p> <p><i>ZIZX, ZRZX, ZRZA, ZRZB, ATMA, ATMB not compliant with PANS-ATM 11.2.1.2.3.3.</i></p> <p><i>ATM is not allocated to Pakistan (Airlines of Tasmania, Doc 8585)</i></p>
Palau		
Papua New Guinea		
Philippines	Yes (inbound and overflights)	<p>International flights outbound RPLLYIYX</p> <p>International Flights inbound RPHIZQZX and airport of destination location indicator + ZTZX</p> <p>International flights overflying Manila FIR RPHIZQZX</p> <p>Domestic Flights RPLLYJYX</p> <p><i>YIY and YJY are not compliant with PANS-ATM 11.2.1.2.3.3. and are not allocated in Doc 8585</i></p>
Republic of Korea	Maybe	<p>Departure or Destination airport RKSIZPZX, RKSSZPZX, RKPCZPZX, RKPZPZX, RKNYPZX, RKTUZZPZX, RKTNPZX, RKJBZPZX, RKJJPZX, RKJKZPZX, RKJYPZX, RKNWZPZX, RKPSZPZX, RKPUPZX, RKSMZPZX, RKTHZPZX, RKTLPZX, RKDZZPZX</p> <p>Incheon FIR RKRRZQZX</p> <p><i>ZPZX should only be for departure FPL</i></p>
Samoa		
Singapore	Maybe	<p>Transiting Singapore FIR or inbound to Singapore Changi Airport WSJCZQZX</p> <p>Inbound to Singapore Changi Airport WSJCZQZX</p> <p>Outbound from Singapore Changi Airport WSSSZPZX</p> <p>Inbound to Seletar Airport WSJCZQZX, WSSLZPZX</p> <p>Outbound from Seletar Airport WSSLZPZX</p> <p>Inbound to/Outbound from Paya lebar Airport WSJCZQZX, WSAPZPZX</p> <p>Inbound to/Outbound from Tengah Airport WSJCZQZX, WSATZPZX</p> <p><i>ZPZX should only be for departure FPL</i></p>
Solomon Islands		

Sri Lanka	No	<p>VCCCZQZX</p> <p>Into Katunayake/Bandaranaike Intl. Airport Colombo VCCCZQZX VCBIZTZX VCBIZPZX</p> <p>Into Mattala/Mattala Rajapaksa Intl. Airport VCCCZQZX VCRIZTZX VCRIZPZX</p> <p>Into Ratmalana/Colombo Airport VCCCZQZX VCCCZTZX VCCCZPZX</p> <p><i>VCCCZQZX is not the centre in charge of any FIR (should be VCCFZQZX)</i> <i>ZPZX should only be for departure FPL</i></p>
Thailand	Yes	VTBBZQZX
Timor Leste		
Tonga		
Vanuatu		
Viet Nam	No	<p>VVHNZQZX VVHMZQZX VVVVZQZX +ZTZ +ZPZX</p> <p><i>VVVVZQZX is not the centre in charge of any FIR</i> <i>ZPZX should only be for departure FPL</i></p>
USA	Yes	[large number of FIRs, all ZQZX]
France (French Polynesia and New Caledonia)	Yes	ZQZ ZTZ

ATTACHMENT B– MISSING DEP MESSAGES PER STATE OF DEPARTURE

Information provided by participating States Australia, China, Japan, Singapore and Thailand

	Administration Responsible for DEP	Aircraft ID	Departure Aerodrome	Destination Aerodrome	DOF	EOBT	Reporting Administration
1.	Australia	CES562	YSSY	ZSPD	190614	0100	Japan
2.	Australia	CES712	YSSY	ZSHC	190614	0120	Japan
3.	Australia	CES736	YSSY	ZSPD	190614	1030	Japan
4.	Austria	ANA206	LOWW	RJTT	190614	1035	China
5.	Austria	THA937	LOWW	VTBS	190614	1235	India
6.	Austria	THA937	LOWW	VTBS	190614	1235	Thailand
7.	Austria	AIC154	LOWW	VIDP	190614	2045	India
8.	Azerbaijan	AZG123	UBBB	RKSI	190614	0005	China
9.	Azerbaijan	CLX7984	UBBB	ZSPD	190614	0550	China
10.	Azerbaijan	AZG037	UBBB	ZSPD	190614	1130	China
11.	Azerbaijan	AHY067	UBBB	ZBAA	190614	1520	China
12.	Azerbaijan	CLX7985	UBBB	ZBAA	190614	2110	China
13.	Bahrain	GTI8063	OBBI	VHHH	190614	0030	China
14.	Bahrain	SOO275	OBBI	VHHH	190614	0055	China
15.	Bahrain	CKS247	OBBI	VHHH	190614	1035	China
16.	Bahrain	GFA150	OBBI	VTBS	190614	0600	India
17.	Bahrain	GFA150	OBBI	VTBS	190614	0600	Thailand
18.	Bahrain	GFA064	OBBI	VABB	190614	0810	India
19.	Bahrain	THY6248	OBBI	VDPP	190614	0925	India
20.	Bahrain	THY6248	OBBI	VDPP	190614	0925	Thailand
21.	Bahrain	AXB474	OBBI	VOCL	190614	1020	India
22.	Bahrain	CKS247	OBBI	VHHH	190614	1025	India
23.	Bahrain	GFA052	OBBI	VOMM	190614	1040	India
24.	Bahrain	GFA280	OBBI	VOBL	190614	1055	India
25.	Bahrain	GFA134	OBBI	VIDP	190614	1140	India
26.	Bahrain	GFA282	OBBI	VOBL	190614	1725	India
27.	Bahrain	GFA270	OBBI	VOCI	190614	1740	India
28.	Bahrain	GFA138	OBBI	VCBI	190614	1750	India
29.	Bahrain	GFA154	OBBI	RPLL	190614	1755	India
30.	Bahrain	GFA154	OBBI	RPLL	190614	1755	Thailand
31.	Bahrain	GFA260	OBBI	VOCL	190614	1840	India
32.	Bahrain	GFA130	OBBI	VIDP	190614	1920	India
33.	Bahrain	GFA274	OBBI	VOHS	190614	1920	India
34.	Bahrain	GFA152	OBBI	VTBS	190613	1920	Thailand
35.	Bahrain	GFA056	OBBI	VABB	190614	1945	India
36.	Bahrain	GFA068	OBBI	VOMM	190614	2030	India

SAIOACG/10 and SEACG/27 – WP/06
Attachment B

37.	Bahrain	GFA060	OBBI	VOTV	190614	2330	India
38.	Bahrain	GFA248	OBBI	VGHS	190614	2359	India
39.	Bangladesh	UBG201	VGHS	VECC	190614	0400	India
40.	Bangladesh	UBG213	VGHS	VTBS	190614	0420	Thailand
41.	Bangladesh	BBC071	VGHS	VNKT	190614	0430	India
42.	Bangladesh	RGE791	VGHS	VECC	190614	0500	India
43.	Bangladesh	KAC286	VGHS	OKBK	190614	0550	India
44.	Bangladesh	NVQ721	VGHS	VECC	190614	0630	India
45.	Bangladesh	ALK190	VGHS	VCBI	190614	0655	India
46.	Bangladesh	RGE797	VGEG	VECC	190614	0830	India
47.	Bangladesh	DRK301	VGHS	VQPR	190614	0955	India
48.	Bangladesh	NVQ723	VGHS	VECC	190614	1120	India
49.	Bangladesh	BBC247	VGSY	OMDB	190614	1245	India
50.	Bangladesh	AIC229	VGHS	VECC	190614	1535	India
51.	Bangladesh	BBC121	VGEG	OOMS	190614	1620	India
52.	Bangladesh	THA340	VGHS	VTBS	190614	2000	Thailand
53.	Bangladesh	ABY518	VGHS	OMSJ	190614	2230	India
54.	Bangladesh	OMS398	VGHS	OOMS	190614	2350	India
55.	Belgium	TAY811	EBLG	ZSJM	190614	0625	China
56.	Belgium	CHH7922	EBBR	ZSPD	190614	1030	China
57.	Belgium	CHH492	EBBR	ZBAA	190614	1140	China
58.	Belgium	TAY801	EBLG	ZSPD	190614	1255	China
59.	Belgium	ETH3738	EBLG	ZPPP	190614	2040	China
60.	Belgium	THA935	EBBR	VTBS	190614	1130	India
61.	Belgium	THA935	EBBR	VTBS	190614	1130	Thailand
62.	Belgium	SIA7951	EBBR	VABB	190614	1815	India
63.	Botswana	VTIAH	FBMN	VABB	190614	1600	India
64.	Cambodia	SWM459	VDSV	ZGNN	190614	0445	China
65.	Cambodia	JCC712	VDSV	ZUUU	190614	1840	China
66.	Canada	EVA035	CYYZ	RCTP	190614	0545	Japan
67.	Canada	ACA015	CYYZ	VHHH	190614	1350	China
68.	Canada	ACA017	CYVR	RCTP	190613	1910	Japan
69.	Canada	ACA027	CYYZ	ZSPD	190614	2125	China
70.	Canada	CES598	CYVR	ZGGG	190614	2210	China
71.	Canada	ACA011	CYUL	ZSPD	190614	2250	China
72.	Canada	ACA44	CYVR	VIDP	190614	0810	India
73.	China	QFA130	ZSPD	YSSY	190614	1150	Japan
74.	China	CES561	ZSPD	YSSY	190614	1220	Japan
75.	China	B0502	ZWKM	ZGGG	190614	1700	China
76.	China	ICU825	ZUMT	ZSPD	190614	1705	China
77.	China	CTV8815	ZPPP	WADD	190614	1815	Singapore
78.	China	CDG8829	ZPPP	VIDP	190614	0255	India

79.	China	CES235	ZSPD	VRMM	190614	0415	India
80.	China	CES2035	ZPPP	VGHS	190614	0500	India
81.	China	CES2593	ZPPP	VNKT	190614	0610	India
82.	China	CES757	ZPPP	VNKT	190614	0710	India
83.	China	CES713	ZPPP	VCBI	190614	0725	India
84.	China	ETD811	ZUUU	OMAA	190614	1301	India
85.	China	CES555	ZPPP	VECC	190614	1540	India
86.	China	QTR871	ZSPD	OTHH	190614	1620	India
87.	China	UTP9929	ZPPP	VGHS	190614	1715	India
88.	China	ETH637	ZUUU	HAAB	190614	1750	India
89.	China	UTP9899	ZPPP	VIDP	190614	2235	India
90.	China	UAE305	ZSPD	OMDB	190614	2324	India
91.	China	CHH709	ZUCK	VYYY	190613	2355	Thailand
92.	Czech Republic	CSC8296	LKPR	ZLXY	190614	1805	China
93.	Denmark	SAS983	EKCH	RJAA	190614	1345	China
94.	Denmark	SAS965	EKCH	VHHH	190614	1900	China
95.	Denmark	THA951	EKCH	VTBS	190614	1225	India
96.	Denmark	THA951	EKCH	VTBS	190614	1225	Thailand
97.	Denmark	AIC158	EKCH	VIDP	190614	1840	India
98.	Egypt	CSC8392	HECA	ZUUU	190614	1035	China
99.	Egypt	MSR960	HECA	VTBS	190614	2105	India
100.	Egypt	MSR958	HECA	ZGGG	190614	2130	India
101.	Ethiopia	ETH3728	HAAB	VHHH	190614	0005	China
102.	Ethiopia	ETH3616	HAAB	ZGGG	190614	0955	China
103.	Ethiopia	ETH616	HAAB	ZGGG	190614	1050	China
104.	Ethiopia	ETH684	HAAB	ZBAA	190614	1825	China
105.	Ethiopia	ETH644	HAAB	VHHH	190614	2055	China
106.	Ethiopia	ETH3616	HAAB	ZGGG	190614	0930	India
107.	Ethiopia	ETH616	HAAB	ZGGG	190614	1215	India
108.	Ethiopia	ETH688	HAAB	VIDP	190614	1245	India
109.	Ethiopia	ETH8806	HAAB	VIDP	190614	1315	India
110.	Ethiopia	ETH8805	HAAB	VIDP	190614	1330	India
111.	Ethiopia	ETH608	HAAB	VTBS	190613	1940	Thailand
112.	Ethiopia	ETH686	HAAB	VIDP	190614	1955	India
113.	Ethiopia	ETH644	HAAB	VHHH	190614	2040	India
114.	Ethiopia	ETH606	HAAB	ZGGG	190614	2105	India
115.	Ethiopia	ETH684	HAAB	ZSPD	190614	2105	India
116.	Ethiopia	ETH628	HAAB	VTBS	190614	2215	India
117.	France	FDX5342	LFPG	ZGGG	190614	0230	China
118.	France	EVA088	LFPG	RCTP	190614	0920	China
119.	France	CHH758	LFPG	ZGSZ	190614	0955	China
120.	France	SIA335	LFPG	WSSS	190614	1000	Singapore

SAIOACG/10 and SEACG/27 – WP/06
Attachment B

121.	France	CCA834	LFPG	ZSPD	190614	1015	China
122.	France	CSN348	LFPG	ZGGG	190614	1025	China
123.	France	CCA876	LFPG	ZBAA	190614	1030	China
124.	France	AFR264	LFPG	RKSI	190614	1110	China
125.	France	HVN10	LFPG	VVTS	190614	1110	China
126.	France	CES554	LFPG	ZSPD	190614	1125	China
127.	France	AFR128	LFPG	ZBAA	190614	1150	China
128.	France	HVN18	LFPG	VVNB	190614	1200	China
129.	France	AFR112	LFPG	ZSPD	190614	1310	China
130.	France	AFR262	LFPG	RKSI	190614	1645	China
131.	France	CCA458	LFPG	ZBAA	190614	1710	China
132.	France	AAR502	LFPG	RKSI	190614	1750	China
133.	France	AFR256	LFPG	WSSS	190614	1850	Singapore
134.	France	CHH718	LFPG	ZWWW	190614	1900	China
135.	France	KAL902	LFPG	RKSI	190614	1900	China
136.	France	AFR112	LFPG	ZLXY	190614	2100	China
137.	France	CES570	LFPG	ZGSZ	190614	2105	China
138.	France	AFR116	LFPG	ZGGG	190614	2110	China
139.	France	CES554	LFPG	ZBAA	190614	2120	China
140.	France	AFR188	LFPG	VHHH	190614	2140	China
141.	France	FDX5384	LFPG	VIDP	190614	0200	India
142.	France	AFR194	LFPG	VOBL	190614	0815	India
143.	France	AFR218	LFPG	VABB	190614	0905	India
144.	France	SIA335	LFPG	WSSS	190614	1000	India
145.	France	THA931	LFPG	VTBS	190614	1140	India
146.	France	THA931	LFPG	VTBS	190614	1140	Thailand
147.	France	AFR166	LFPG	VTBS	190614	1430	India
148.	France	AFR256	LFPG	WSSS	190614	1850	India
149.	France	AIC142	LFPG	VIDP	190614	2000	India
150.	Germany	GEC8486	EDDF	WSSS	190614	0300	Singapore
151.	Germany	BOX530	EDDP	VTBS	190614	0415	China
152.	Germany	BOX570	EDDP	ZSPD	190614	0525	China
153.	Germany	FDX26	EDDK	ZSPD	190614	0630	China
154.	Germany	HVN36	EDDF	VVNB	190614	1155	China
155.	Germany	BKEY	EDDB	VHHH	190614	1200	China
156.	Germany	ANA210	EDDL	RJAA	190614	1800	China
157.	Germany	BOX570	EDDP	ZSPD	190614	2030	China
158.	Germany	GEC8486	EDDF	WSSS	190614	0300	India
159.	Germany	BOX530	EDDP	VTBS	190614	0545	Thailand
160.	Germany	DLH758	EDDF	VOMM	190614	0845	India
161.	Germany	DLH766	EDDM	VABB	190614	0920	India
162.	Germany	DLH762	EDDM	VIDP	190614	1010	India

163.	Germany	DLH754	EDDF	VOBL	190614	1110	India
164.	Germany	DLH756	EDDF	VABB	190614	1120	India
165.	Germany	DLH760	EDDF	VIDP	190614	1140	India
166.	Germany	THA925	EDDM	VTBS	190614	1225	India
167.	Germany	THA925	EDDM	VTBS	190614	1225	Thailand
168.	Germany	THA921	EDDF	VTBS	190614	1245	India
169.	Germany	THA921	EDDF	VTBS	190614	1245	Thailand
170.	Germany	CPA066	EDDF	VABB	190614	1400	India
171.	Germany	GEC8370	EDDF	VABB	190614	1520	India
172.	Germany	AIC124	EDDF	VABB	190614	1620	India
173.	Germany	THA923	EDDF	VTBS	190614	1840	India
174.	Germany	THA923	EDDF	VTBS	190613	1840	Thailand
175.	Germany	AIC120	EDDF	VIDP	190614	1915	India
176.	Hong Kong, China	FDX5986	VHHH	KMEM	190614	1340	Japan
177.	India	ACA45	VIDP	CYVR	190614	0210	Japan
178.	India	AIC183	VIDP	KSFO	190614	1120	Japan
179.	India	SEJ7023	VEGT	VHHH	190614	1140	China
180.	India	AIC183	VIDP	KSFO	190614	1140	China
181.	India	SLK463	VOCI	WSSS	190614	1550	Singapore
182.	India	SIA531	VAAH	WSSS	190614	1720	Singapore
183.	India	IGO1773	VOBL	VHHH	190614	1745	China
184.	India	SIA529	VOMM	WSSS	190614	1745	Singapore
185.	India	ACA43	VIDP	CYVR	190613	1940	Japan
186.	India	CPA646	VOHS	VHHH	190614	2000	China
187.	India	AIC173	VIDP	KSFO	190613	2200	Japan
188.	India	AIC173	VIDP	KSFO	190614	2230	China
189.	India	IGO097	VEBN	VTBS	190614	0925	Thailand
190.	India	BTN700	VECC	VTBS	190614	1120	Thailand
191.	India	IGO1813	VOBL	WMKK	190614	1230	Thailand
192.	India	AIQ145	VAAH	VTBD	190614	1650	Thailand
193.	India	AIQ117	VOVZ	VTBD	190614	1840	Thailand
194.	Indonesia	SIA953	WIII	WSSS	190614	0055	Singapore
195.	Indonesia	CXA868	WIII	ZSAM	190614	0100	China
196.	Indonesia	CXA868	WIII	ZSAM	190614	0100	Singapore
197.	Indonesia	SQS7283	WIBG	WIDD	190614	0335	Singapore
198.	Indonesia	MEDIC45	WIHH	WSSL	190614	0845	Singapore
199.	Indonesia	TFR13	WIII	YPXM	190614	0905	Australia
200.	Indonesia	GIA890	WIII	ZBAA	190614	1255	Singapore
201.	Indonesia	KAL628	WIII	RKSI	190614	1505	Japan
202.	Indonesia	GIA878	WIII	RKSI	190614	1610	Japan
203.	Indonesia	CES5070	WIII	ZSPD	190614	1630	Singapore
204.	Indonesia	GIA894	WIII	ZSPD	190614	1635	Singapore

205.	Indonesia	AAR762	WIII	RKSI	190614	1645	Japan
206.	Indonesia	BTK7001	WIII	ZGKL	190614	2000	Singapore
207.	Indonesia	PKPAH	WIHH	WIDM	190614	2200	Singapore
208.	Indonesia	PKTNE	WIHH	WIDM	190614	2245	Singapore
209.	Indonesia	QTR959	WIII	OTHH	190614	0155	India
210.	Indonesia	SVA817	WIII	OEJN	190614	0400	India
211.	Indonesia	OMA850	WIII	OOMS	190614	0750	India
212.	Indonesia	SVA825	WIII	OEMA	190614	0900	India
213.	Indonesia	ETD475	WIII	OMAA	190614	1055	India
214.	Indonesia	UAE357	WIII	OMDB	190614	1055	India
215.	Indonesia	QTR957	WIII	OTHH	190614	1125	India
216.	Indonesia	SVA819	WIII	OEJN	190614	1300	India
217.	Indonesia	THY057	WIII	LTFM	190614	1400	India
218.	Indonesia	SVA823	WIII	OEMA	190614	1500	India
219.	Indonesia	GIA088	WIII	EHAM	190614	1540	India
220.	Indonesia	ETD471	WIII	OMAA	190614	1740	India
221.	Indonesia	QTR955	WIII	OTHH	190614	1740	India
222.	Indonesia	UAE359	WIII	OMDB	190614	1740	India
223.	Indonesia	LNI118	WIII	OEJN	190614	1805	India
224.	Iran	IRM079	OIIE	ZBAA	190614	1545	China
225.	Iran	CSN6026	OIIE	ZSPD	190614	1645	China
226.	Iran	IRM077	OIIE	ZGHA	190614	2100	China
227.	Iran	IRM051	OIIE	VTBS	190614	1740	India
228.	Iran	IRM051	OIIE	VTBS	190613	1740	Thailand
229.	Iran	IRM083	OIIE	WMKK	190614	1805	India
230.	Iraq	IAW441	ORNI	VABB	190614	1530	India
231.	Iraq	IAW445	ORBI	VIDP	190614	1600	India
232.	Iraq	IAW455	ORBI	WMKK	190614	1730	India
233.	Ireland	CHH756	EIDW	ZGSZ	190614	0910	China
234.	Italy	VPCK	LIML	VHHH	190614	1100	China
235.	Italy	KAL932	LIRF	RKSI	190614	1925	China
236.	Italy	THA945	LIRF	VTBS	190614	1155	India
237.	Italy	THA945	LIRF	VTBS	190614	1155	Thailand
238.	Italy	AIC122	LIRF	VIDP	190614	1840	India
239.	Japan	NCA235	RJAA	WSSS	190614	1300	Singapore
240.	Jordan	CLX5857	OJAI	VHHH	190614	2245	India
241.	Jordan	RJA182	OJAI	VTBS	190614	2310	India
242.	Jordan	RJA180	OJAI	VTBS	190613	2330	Thailand
243.	Kuwait	IGO1752	OKBK	VOMM	190614	0210	India
244.	Kuwait	IGO1756	OKBK	VOKN	190614	0510	India
245.	Kuwait	IGO1754	OKBK	VAAH	190614	0740	India
246.	Kuwait	AXB890	OKBK	VOML	190614	0820	India

247.	Kuwait	BBC044	OKBK	VGHS	190614	1200	India
248.	Kuwait	JZR405	OKBK	VOCI	190614	1300	India
249.	Kuwait	KAC361	OKBK	VCBI	190614	1435	India
250.	Kuwait	KAC283	OKBK	VGHS	190614	1440	India
251.	Kuwait	KAC381	OKBK	VIDP	190614	1455	India
252.	Kuwait	JZR403	OKBK	VOHS	190614	1525	India
253.	Kuwait	KAC345	OKBK	VAAH	190614	1620	India
254.	Kuwait	JZR401	OKBK	VABB	190614	1730	India
255.	Kuwait	KAC351	OKBK	VOCI	190614	1730	India
256.	Kuwait	KAC353	OKBK	VOBL	190614	1750	India
257.	Kuwait	KAC1381	OKBK	VIDP	190614	1800	India
258.	Kuwait	KAC301	OKBK	VABB	190614	1850	India
259.	Kuwait	ALK230	OKBK	VCBI	190614	1920	India
260.	Kuwait	KAC383	OKBK	VIDP	190614	1935	India
261.	Kuwait	JZR407	OKBK	VAAH	190614	1940	India
262.	Kuwait	KAC411	OKBK	VTBS	190614	2005	India
263.	Kuwait	AIC976	OKBK	VOGO	190614	2105	India
264.	Kuwait	AIC976	OKBK	VOGO	190614	2105	India
265.	Kuwait	IGO1758	OKBK	VOCI	190614	2210	India
266.	Kuwait	KAC285	OKBK	VGHS	190614	2300	India
267.	Kuwait	KAC417	OKBK	RPLL	190613	2300	Thailand
268.	Lao PDR	CHH460	VLLB	ZJHK	190614	0510	China
269.	Lao PDR	CSN6092	VLVT	ZGGG	190614	1210	China
270.	Latvia	KAL9920	EVRA	RKSI	190614	2000	China
271.	Luxembourg	CLX6485	ELIX	ZBAA	190614	0425	China
272.	Luxembourg	CLX7345	ELIX	RKSI	190614	0625	China
273.	Luxembourg	CLX9425	ELIX	RJNK	190614	1825	China
274.	Macao, China	LN501	VMMC	ZSXZ	190614	0600	China
275.	Malaysia	AXM5877	WBGS	WMKK	190614	0010	Singapore
276.	Malaysia	RMY1021	WMSA	WIII	190614	0015	Singapore
277.	Malaysia	RMF401	WMSA	WBKL	190614	0200	Singapore
278.	Malaysia	MXD304	WMSA	WIDD	190614	0220	Singapore
279.	Malaysia	KZR936	WMKK	UAAA	190614	0255	China
280.	Malaysia	AXM5879	WBGS	WMKK	190614	0300	Singapore
281.	Malaysia	MAS2715	WBGS	WMKK	190614	0305	Singapore
282.	Malaysia	TMG303	WMKJ	WIHH	190614	0345	Singapore
283.	Malaysia	AXM5036	WBGS	WMKJ	190614	0350	Singapore
284.	Malaysia	LKE836	WBKK	ZPPP	190614	0410	Singapore
285.	Malaysia	AXM5883	WBGS	WMKK	190614	0420	Singapore
286.	Malaysia	EAU38T	WMKL	ZSHC	190614	0500	China
287.	Malaysia	RMF182	WBKW	WMSA	190614	0530	Singapore
288.	Malaysia	XAX398	WMKK	ZLLL	190614	0620	China

289.	Malaysia	MAS6052	WBKK	VVNB	190614	0625	Singapore
290.	Malaysia	AXM6172	WMKJ	WMKA	190614	0650	Singapore
291.	Malaysia	AXM9505	WBKK	WMKC	190614	0710	Singapore
292.	Malaysia	UZB554	WMKK	UTTT	190614	0725	China
293.	Malaysia	AXM6414	WMKJ	WMKP	190614	0745	Singapore
294.	Malaysia	AXM5596	WMKJ	WBKW	190614	0750	Singapore
295.	Malaysia	AXM5873	WBGS	WMKK	190614	0855	Singapore
296.	Malaysia	AXM9515	WBGS	WMKJ	190614	0950	Singapore
297.	Malaysia	AXM9506	WMKC	WBKK	190614	1010	Singapore
298.	Malaysia	MAS2717	WBGS	WMKK	190614	1050	Singapore
299.	Malaysia	AXM5597	WBKW	WMKJ	190614	1055	Singapore
300.	Malaysia	AXM5871	WBGS	WMKK	190614	1130	Singapore
301.	Malaysia	AXM9503	WBGG	WMKC	190614	1155	Singapore
302.	Malaysia	AXM5412	WMKJ	WBGG	190614	1200	Singapore
303.	Malaysia	AXM5875	WBGS	WMKK	190614	1315	Singapore
304.	Malaysia	AXM9504	WMKC	WBGG	190614	1415	Singapore
305.	Malaysia	ESR942	WBKK	RKPK	190614	1620	Japan
306.	Malaysia	ABL762	WBKK	RKPK	190614	1650	Japan
307.	Malaysia	LNI2611	WBKK	ZSPD	190614	1910	China
308.	Malaysia	AXM9331	WBGS	WMKK	190614	2225	Singapore
309.	Malaysia	AXM9520	WMKJ	WBKW	190614	2300	Singapore
310.	Malaysia	AXM9545	WBGS	WMKJ	190614	2335	Singapore
311.	Malaysia	2YAYA	WMSA	VTSP	190614	0001	Thailand
312.	Malaysia	PM1	WMSA	OMDW	190614	0400	India
313.	Malaysia	EAU38T	WMKL	ZSHC	190614	0520	Thailand
314.	Malaysia	CAL732	WMKP	RCTP	190614	0550	Thailand
315.	Malaysia	SVA829	WMKK	OERK	190614	0700	India
316.	Malaysia	SVA829	WMKK	OERK	190614	0700	Thailand
317.	Malaysia	IGO1814	WMKK	VOBL	190614	0716	Thailand
318.	Malaysia	XAX398	WMKK	ZLLL	190614	0920	Thailand
319.	Malaysia	MXD205	WMKK	VIDP	190614	1000	India
320.	Malaysia	CPA078	WMKP	VDPP	190614	1105	Thailand
321.	Malaysia	CSN6048	WMKL	ZGGG	190614	1700	Thailand
322.	Maldives	TGW589	VRMM	WSSS	190614	1605	Singapore
323.	Maldives	SIA451	VRMM	WSSS	190614	1915	Singapore
324.	Maldives	DQA550	VRMM	VOMM	190614	0345	India
325.	Maldives	QTR673	VRMM	OTHH	190614	0550	India
326.	Maldives	AIC266	VRMM	VOBL	190614	0555	India
327.	Maldives	UAE659	VRMM	OMDB	190614	0600	India
328.	Maldives	UAE652	VRMM	VCBI	190614	1130	India
329.	Maldives	AIC264	VRMM	VOTV	190614	1135	India
330.	Maldives	A7HSJ	VRMM	OTBD	190614	1200	India

331.	Maldives	ETD79A	VRMM	OMAA	190614	1350	India
332.	Maldives	DQA700	VRMM	VOTV	190614	1630	India
333.	Myanmar	AIQ258	VYYY	VTBD	190614	1255	Thailand
334.	Myanmar	THA306	VYYY	VTBS	190614	1315	Thailand
335.	Nauru	RON501	ANYN	YBBN	190614	1835	Australia
336.	Nepal	THY727	VNKT	LTFM	190614	0353	India
337.	Nepal	OMS428	VNKT	OOMS	190614	0445	India
338.	Nepal	QTR653	VNKT	OTHH	190614	0605	India
339.	Nepal	QTR647	VNKT	OTHH	190614	1040	India
340.	Nepal	FDB576	VNKT	OMDB	190614	1345	India
341.	Nepal	ABY538	VNKT	OMSJ	190614	1420	India
342.	Nepal	QTR651	VNKT	OTHH	190614	1500	India
343.	Nepal	RNA239	VNKT	OTHH	190614	1510	India
344.	Nepal	HIM559	VNKT	OEDF	190614	1535	India
345.	Nepal	HIM563	VNKT	OTHH	190614	1545	India
346.	Netherlands	GIA089	EHAM	WIII	190614	1005	India
347.	Oman	OMA245	OOMS	VIDP	190614	0500	India
348.	Oman	THY6570	OOMS	VVNB	190614	0635	India
349.	Oman	AXB544	OOSA	VOCI	190614	0700	India
350.	Oman	OMA247	OOMS	VIDP	190614	0940	India
351.	Oman	OMA263	OOMS	VILK	190614	1045	India
352.	Oman	OMA821	OOMS	WMKK	190614	1650	India
353.	Oman	OMA821	OOMS	WMKK	190614	1650	Thailand
354.	Oman	AIC974	OOMS	VIDP	190614	1910	India
355.	Oman	OMA243	OOMS	VIDP	190614	1925	India
356.	Oman	GOW056	OOMS	VOKN	190614	2015	India
357.	Oman	OMA261	OOMS	VILK	190614	2128	India
358.	Oman	OMA241	OOMS	VIDP	190614	2220	India
359.	Oman	OMA331	OOMS	VNKT	190614	2235	India
360.	Oman	AXB350	OOMS	VOCL	190614	2245	India
361.	Pakistan	THA508	OPKC	VTBS	190614	0305	India
362.	Pakistan	ALK184	OPKC	VCBI	190614	1110	India
363.	Papua New Guinea	URJ	AYDU	YHID	190614	0245	Australia
364.	Papua New Guinea	P2KSV	AYMH	YBCS	190614	0445	Australia
365.	Philippines	CEB537	RPLC	WSSS	190614	0415	Singapore
366.	Philippines	CEB678	RPLL	ZBAA	190614	2140	China
367.	Philippines	TCX4500	RPLC	OMAA	190614	0900	India
368.	Philippines	UAE338	RPLC	OMDB	190614	1250	India
369.	Philippines	UAE338	RPLC	OMDB	190614	1250	Thailand
370.	Philippines	UAE337	RPLL	OMDB	190614	2340	India
371.	Philippines	OMA844	RPLL	OOMS	190613	2345	Thailand
372.	Poland	UPS4	EPWA	VHHH	190614	0820	China

373.	Poland	CCA738	EPWA	ZBAA	190614	1210	China
374.	Poland	LOT79	EPWA	RJAA	190614	1310	China
375.	Poland	LOT97	EPWA	RKSI	190614	1430	China
376.	Portugal	VJT222	LPPT	VABB	190614	2245	India
377.	Qatar	ALK222	OTHH	VCBI	190614	0100	India
378.	Qatar	IGO1712	OTHH	VOCL	190614	0200	India
379.	Qatar	QTR928	OTHH	RPLL	190614	0415	India
380.	Qatar	QTR944	OTHH	WSSS	190614	0415	India
381.	Qatar	QTR816	OTHH	VHHH	190614	0435	India
382.	Qatar	QTR58Q	OTHH	VCBI	190614	0440	India
383.	Qatar	QTR646	OTHH	VNKT	190614	0440	India
384.	Qatar	QTR840	OTHH	VTSP	190614	0455	India
385.	Qatar	QTR832	OTHH	VTBS	190614	0500	India
386.	Qatar	QTR960	OTHH	WADD	190614	0505	India
387.	Qatar	QTR954	OTHH	WIII	190614	0515	India
388.	Qatar	QTR838	OTHH	VTBS	190614	0520	India
389.	Qatar	QTR3VR	OTHH	WMKK	190614	0540	India
390.	Qatar	AXB822	OTHH	VOML	190614	0600	India
391.	Qatar	QTR634	OTHH	VGHS	190614	0600	India
392.	Qatar	QTR906	OTHH	YSSY	190614	0610	India
393.	Qatar	IGO1704	OTHH	VOCI	190614	0715	India
394.	Qatar	QTR650	OTHH	VNKT	190614	0730	India
395.	Qatar	GRIM21	OTBH	OTBH	190614	0800	India
396.	Qatar	GRIM22	OTBH	OTBH	190614	0800	India
397.	Qatar	IGO1702	OTHH	VIDP	190614	1115	India
398.	Qatar	QTR8940	OTHH	ZGGG	190614	1115	India
399.	Qatar	CLX5951	OTHH	VVNB	190614	1145	India
400.	Qatar	AXB374	OTHH	VOCL	190614	1210	India
401.	Qatar	IGO1706	OTHH	VOMM	190614	1215	India
402.	Qatar	QTR8406	OTHH	VHHH	190614	1225	India
403.	Qatar	QTR8400	OTHH	VHHH	190614	1255	India
404.	Qatar	QTR964	OTHH	WADD	190614	1405	India
405.	Qatar	QTR638	OTHH	VGHS	190614	1435	India
406.	Qatar	QTR934	OTHH	RPLL	190614	1445	India
407.	Qatar	QTR826	OTHH	VTBS	190614	1500	India
408.	Qatar	QTR1PK	OTHH	VCBI	190614	1505	India
409.	Qatar	QTR958	OTHH	WIII	190614	1545	India
410.	Qatar	QTR528	OTHH	VOMM	190614	1550	India
411.	Qatar	QTR540	OTHH	VECC	190614	1550	India
412.	Qatar	QTR516	OTHH	VOCI	190614	1605	India
413.	Qatar	QTR5WZ	OTHH	VCBI	190614	1605	India
414.	Qatar	QTR500	OTHH	VOHS	190614	1610	India

415.	Qatar	QTR548	OTHH	VIAR	190614	1610	India
416.	Qatar	QTR506	OTHH	VOTV	190614	1625	India
417.	Qatar	PAL685	OTHH	RPLL	190614	1630	India
418.	Qatar	QTR572	OTHH	VOBL	190614	1630	India
419.	Qatar	QTR536	OTHH	VOCL	190614	1635	India
420.	Qatar	QTR578	OTHH	VIDP	190614	1635	India
421.	Qatar	QTR972	OTHH	VVTS	190614	1650	India
422.	Qatar	QTR830	OTHH	VTBS	190614	1705	India
423.	Qatar	QTR842	OTHH	VTSP	190614	1705	India
424.	Qatar	QTR942	OTHH	WSSS	190614	1705	India
425.	Qatar	QTR522	OTHH	VOGO	190614	1710	India
426.	Qatar	QTR918	OTHH	VYYY	190614	1715	India
427.	Qatar	QTR908	OTHH	YSSY	190614	1735	India
428.	Qatar	QTR8915	OTHH	VMMC	190614	1745	India
429.	Qatar	QTR29XL	OTHH	YMML	190614	1755	India
430.	Qatar	QTR640	OTHH	VGHS	190614	1835	India
431.	Qatar	QTR8426	OTHH	VHHH	190614	1840	India
432.	Qatar	QTR8664	OTHH	VIDP	190614	1850	India
433.	Qatar	IGO1716	OTHH	VOKN	190614	1900	India
434.	Qatar	IGO1714	OTHH	VOHS	190614	1905	India
435.	Qatar	QTR968	OTHH	VVNB	190614	1920	India
436.	Qatar	ALK218	OTHH	VCBI	190614	1930	India
437.	Qatar	QTR8952	OTHH	VVNB	190614	1940	India
438.	Qatar	AXB774	OTHH	VOKN	190614	2000	India
439.	Qatar	RGE754	OTHH	VGEG	190614	2000	India
440.	Qatar	UBG334	OTHH	VGHS	190614	2030	India
441.	Qatar	QTR8660	OTHH	VIDP	190614	2140	India
442.	Qatar	RNA240	OTHH	VNKT	190614	2215	India
443.	Qatar	HIM564	OTHH	VNKT	190614	2230	India
444.	Qatar	QTR8430	OTHH	VHHH	190614	2230	India
445.	Qatar	QTR5ZQ	OTHH	VCBI	190614	2240	India
446.	Qatar	QTR834	OTHH	VTBS	190614	2240	India
447.	Qatar	QTR980	OTHH	VTBS	190614	2240	India
448.	Qatar	QTR970	OTHH	VVTS	190614	2255	India
449.	Qatar	QTR652	OTHH	VNKT	190614	2300	India
450.	Qatar	QTR870	OTHH	ZSPD	190614	2300	India
451.	Qatar	QTR880	OTHH	ZUCK	190614	2300	India
452.	Qatar	QTR930	OTHH	RPLC	190614	2300	India
453.	Qatar	QTR932	OTHH	RPLL	190614	2300	India
454.	Qatar	QTR98PR	OTHH	YPPH	190614	2300	India
455.	Qatar	QTR848	OTHH	WMKK	190614	2305	India
456.	Qatar	QTR874	OTHH	ZGGG	190614	2305	India

SAIOACG/10 and SEACG/27 – WP/06
Attachment B

457.	Qatar	QTR570	OTHH	VIDP	190614	2310	India
458.	Qatar	QTR672	OTHH	VRMM	190614	2310	India
459.	Qatar	AXB476	OTHH	VOCI	190614	2315	India
460.	Qatar	QTR836	OTHH	VTBS	190614	2315	India
461.	Qatar	QTR976	OTHH	VVNB	190614	2315	India
462.	Qatar	QTR44SG	OTHH	NZAA	190614	2320	India
463.	Qatar	QTR514	OTHH	VOCI	190614	2320	India
464.	Qatar	QTR956	OTHH	WIII	190614	2320	India
465.	Qatar	QTR850	OTHH	WMKP	190614	2325	India
466.	Qatar	QTR946	OTHH	WSSS	190614	2325	India
467.	Qatar	QTR962	OTHH	WADD	190614	2325	India
468.	Qatar	QTR818	OTHH	VHHH	190614	2340	India
469.	Republic of Korea	JJA2001	RKSI	VMMC	190614	0200	Japan
470.	Republic of Korea	ABL472	RKPK	UHWW	190614	0450	Japan
471.	Republic of Korea	AMU821	RKSI	VMMC	190614	0540	Japan
472.	Republic of Korea	CKS423	RKSO	PAED	190614	0915	Japan
473.	Republic of Korea	JNA057	RKSI	VVNB	190614	1135	Japan
474.	Republic of Korea	TWB107	RKSI	VMMC	190614	1235	Japan
475.	Republic of Korea	JNA121	RKSI	VMMC	190614	1245	Japan
476.	Republic of Korea	ABL381	RKPK	VMMC	190614	1305	Japan
477.	Republic of Korea	AMU825	RKSI	VMMC	190614	1330	Japan
478.	Republic of Korea	ETH3618	RKSI	VHHH	190614	2125	China
479.	Republic of Korea	TWB431	RKTN	UHWW	190613	2255	Japan
480.	Republic of Korea	ESR971	RKPK	UHWW	190613	2330	Japan
481.	Republic of Korea	ESR971	RKPK	UHWW	190614	2330	Japan
482.	Republic of Korea	SLK875	RKPK	WSSS	2330	2330	Singapore
483.	Republic of Korea	KAL695	RKSI	VNKT	190614	0525	India
484.	Republic of Korea	KAL655	RKSI	VABB	190614	1050	India
485.	Russia	LKE884	ULLI	ZPPP	190614	0240	China
486.	Russia	ESR972	UHWW	RKPK	190614	0330	Japan
487.	Russia	SVR753	UNNT	ZSOF	190614	0335	China
488.	Russia	KTK733	UUWW	ZBYN	190614	0600	China
489.	Russia	RSY9531	ULLI	ZGSZ	190614	0840	China
490.	Russia	GEC8390	UNNT	RKSI	190614	1005	China
491.	Russia	KTK9633	USSS	VTSP	190614	1025	China
492.	Russia	KAR2617	UNEE	VTBS	190614	1030	China
493.	Russia	ABW519	USSS	ZSPD	190614	1055	China
494.	Russia	RSY9821	UUWW	ZHCC	190614	1120	China
495.	Russia	SIA361	UUDD	WSSS	190614	1205	China
496.	Russia	SIA361	UUDD	WSSS	190614	1205	Singapore
497.	Russia	SBI5721	UNNT	ZBAA	190614	1350	China
498.	Russia	KTK2443	UNKL	VVCR	190614	1400	China

499.	Russia	SVR703	USSS	ZBAA	190614	1435	China
500.	Russia	CSC8100	ULLI	ZBAA	190614	1705	China
501.	Russia	KAL930	ULLI	RKSI	190614	2000	China
502.	Russia	KAR2705	UHBB	VTSP	190614	0135	Thailand
503.	Russia	SIA361	UDD	WSSS	190614	1205	Thailand
504.	Russia	KTK9633	USSS	VTSP	190614	1325	Thailand
505.	Russia	THA975	UDD	VTBS	190613	1525	Thailand
506.	Russia	KTK2721	UH	VTBU	190614	1600	Thailand
507.	Russia	EAU39S	UUWW	VIDP	190614	1900	India
508.	Russia	SBI5701	UNNT	VTBS	190613	1925	Thailand
509.	Samoa	VOZ92	NSFA	YBBN	190614	1750	Australia
510.	Saudi Arabia	SVA982	OERK	VHHH	190614	0710	China
511.	Saudi Arabia	SVA7142	OEJN	RKSI	190614	2200	China
512.	Saudi Arabia	SVA784	OEJN	VOCI	190614	0005	India
513.	Saudi Arabia	SVA754	OEJN	VOHS	190614	0010	India
514.	Saudi Arabia	SVA834	OEJN	WMKK	190614	0110	India
515.	Saudi Arabia	SVA818	OEJN	WIII	190614	0115	India
516.	Saudi Arabia	SVA892	OERK	VOCL	190614	0240	India
517.	Saudi Arabia	SVA826	OEJN	WIII	190614	0315	India
518.	Saudi Arabia	SVA780	OEJN	VCBI	190614	0425	India
519.	Saudi Arabia	SVA842	OEJN	WMKK	190614	0530	India
520.	Saudi Arabia	SVA894	OERK	VILK	190614	0545	India
521.	Saudi Arabia	SVA750	OERK	VOHS	190614	0550	India
522.	Saudi Arabia	SEJ793	OEJN	VOCL	190614	0645	India
523.	Saudi Arabia	MAS159 D	OEMA	WMKK	190614	0700	India
524.	Saudi Arabia	SVA764	OERK	VIDP	190614	0710	India
525.	Saudi Arabia	SVA982	OERK	VHHH	190614	0710	India
526.	Saudi Arabia	SEJ034	OEJN	VOHS	190614	0805	India
527.	Saudi Arabia	SVA772	OEJN	VABB	190614	0905	India
528.	Saudi Arabia	AXB386	OEDF	VOCL	190614	1100	India
529.	Saudi Arabia	SVA804	OERK	VGHS	190614	1120	India
530.	Saudi Arabia	BBC040	OERK	VGHS	190614	1230	India
531.	Saudi Arabia	SVA802	OEJN	VGHS	190614	1245	India
532.	Saudi Arabia	AIC928	OERK	VOTV	190614	1246	India
533.	Saudi Arabia	AIC928	OERK	VOTV	190614	1246	India
534.	Saudi Arabia	IGO1832	OEJN	VABB	190614	1320	India
535.	Saudi Arabia	PAL655	OERK	RPLL	190614	1550	India
536.	Saudi Arabia	PAL655	OERK	RPLL	190614	1550	India
537.	Saudi Arabia	PAL655	OERK	RPLL	190614	1550	Thailand
538.	Saudi Arabia	SVA816	OEJN	WIII	190614	1615	India
539.	Saudi Arabia	PAL683	OEDF	RPLL	190614	1620	Thailand

540.	Saudi Arabia	AIC992	OEJN	VIDP	190614	1815	India
541.	Saudi Arabia	MAS151	OEJN	WMKK	190614	1820	India
542.	Saudi Arabia	TGW597	OEJN	WSSS	190613	1840	Thailand
543.	Saudi Arabia	AXB886	OEDF	VOML	190614	1910	India
544.	Saudi Arabia	ALK266	OERK	VCBI	190614	1920	India
545.	Saudi Arabia	SVA836	OEJN	WMKK	190614	1945	India
546.	Saudi Arabia	SVA862	OERK	RPLL	190614	2005	India
547.	Saudi Arabia	SVA862	OERK	RPLL	190613	2005	Thailand
548.	Saudi Arabia	AXB322	OERK	VOCL	190614	2045	India
549.	Saudi Arabia	AIC964	OEJN	VOCI	190614	2110	India
550.	Saudi Arabia	AIC964	OEJN	VOCI	190614	2110	India
551.	Saudi Arabia	SVA820	OEJN	WIII	190614	2115	India
552.	Saudi Arabia	SVA884	OERK	ZGGG	190614	2115	India
553.	Saudi Arabia	SVA786	OEJN	VCBI	190614	2125	India
554.	Saudi Arabia	SVA870	OEJN	RPLL	190614	2140	India
555.	Saudi Arabia	SVA870	OEJN	RPLL	190614	2140	India
556.	Saudi Arabia	SVA870	OEJN	RPLL	190613	2140	Thailand
557.	Saudi Arabia	SVA7142	OEJN	RKSI	190614	2200	India
558.	Saudi Arabia	HIM560	OEDF	VNKT	190614	2230	India
559.	Saudi Arabia	SVA748	OERK	VABB	190614	2240	India
560.	Saudi Arabia	SVA766	OEJN	VOMM	190614	2305	India
561.	Saudi Arabia	SVA746	OEJN	VOCL	190614	2325	India
562.	Saudi Arabia	BBC136	OEJN	VGEG	190614	2330	India
563.	Seychelles	SEY260	FSIA	VABB	190614	1810	India
564.	South Africa	CCA868	FAOR	ZGSZ	190614	1430	India
565.	Spain	CCA840	LEBL	ZSPD	190614	0940	China
566.	Spain	CCA908	LEMD	ZBAA	190614	1000	China
567.	Spain	SIA387	LEBL	WSSS	190614	1005	Singapore
568.	Spain	N838MF	LEBL	VHHH	190614	1555	China
569.	Spain	CBJ362	LEMD	ZGGG	190614	1815	China
570.	Spain	KAL916	LEBL	RKSI	190614	1900	China
571.	Spain	CCA840	LEBL	ZSPD	190614	2225	China
572.	Spain	IBE6889	LEMD	ZGGG	190614	2230	China
573.	Spain	SIA387	LEBL	WSSS	190614	1005	India
574.	Sri Lanka	UAE649	VCBI	OMDB	190614	2145	India
575.	Sri Lanka	ABY504	VCBI	OMSJ	190614	2330	India
576.	Sweden	KAL510	ESSA	RKSI	190614	2030	China
577.	Sweden	THA961	ESSA	VTBS	190614	1230	India
578.	Sweden	THA961	ESSA	VTBS	190614	1230	Thailand
579.	Sweden	AIC168	ESSA	VIDP	190614	1905	India
580.	Switzerland	SWR196	LSZH	ZBAA	190614	1115	China
581.	Switzerland	SWR188	LSZH	ZSPD	190614	1400	China

582.	Switzerland	SWR138	LSZH	VHHH	190614	2040	China
583.	Switzerland	SWR176	LSZH	WSSS	190614	2045	Singapore
584.	Switzerland	SWR188	LSZH	ZSQD	190614	2130	China
585.	Switzerland	SWR154	LSZH	VABB	190614	0745	India
586.	Switzerland	SWR146	LSZH	VIDP	190614	1040	India
587.	Switzerland	THA971	LSZH	VTBS	190614	1130	India
588.	Switzerland	THA971	LSZH	VTBS	190614	1130	Thailand
589.	Switzerland	SWR180	LSZH	VTBS	190614	1555	India
590.	Switzerland	SWR180	LSZH	VTBS	190613	1555	Thailand
591.	Switzerland	SWR176	LSZH	WSSS	190614	2045	India
592.	Thailand	DLH793	VTBS	EDDM	190614	0315	India
593.	Turkey	THY88	LTFM	RKSI	190614	1745	China
594.	Turkey	CSC8188	LTFM	ZBAA	190614	1820	China
595.	Turkey	THY24	LTFM	RCTP	190614	2235	China
596.	Turkey	THY70	LTFM	VHHH	190614	2235	China
597.	Turkey	THY52	LTFM	RJAA	190614	2240	China
598.	Turkey	THY90	LTFM	RKSI	190614	2240	China
599.	Turkey	THY6482	LTBA	ZBAA	190614	2245	China
600.	Turkey	THY26	LTFM	ZGGG	190614	2300	China
601.	Turkey	THY54	LTFM	WSSS	190614	2300	Singapore
602.	Turkey	THY056	LTFM	WIII	190614	2320	Singapore
603.	Turkey	THY6466	LTBA	VABB	190614	0800	India
604.	Turkey	THY712	LTFM	VGHS	190614	1520	India
605.	Turkey	THY720	LTFM	VABB	190614	1700	India
606.	Turkey	THY64	LTFM	VTBS	190614	1715	India
607.	Turkey	THY716	LTFM	VIDP	190614	1720	India
608.	Turkey	IGO012	LTFM	VIDP	190614	1740	India
609.	Turkey	THY726	LTFM	VNKT	190614	1915	India
610.	Turkey	THY68	LTFM	VTBS	190614	2225	India
611.	Turkey	THY68	LTFM	VTBS	190613	2225	Thailand
612.	Turkey	THY60	LTFM	WMKK	190614	2230	India
613.	Turkey	THY84	LTFM	RPLL	190614	2250	India
614.	Turkey	THY84	LTFM	RPLL	190613	2250	Thailand
615.	Turkey	THY730	LTFM	VRMM	190614	2255	India
616.	Turkey	THY54	LTFM	WSSS	190614	2300	India
617.	Turkey	THY54	LTFM	WSSS	190613	2300	Thailand
618.	Turkey	THY168	LTFM	VVTS	190614	2315	India
619.	Turkey	THY056	LTFM	WIII	190614	2320	India
620.	Turkmenistan	TUA607	UTAA	ZBAA	190614	1305	China
621.	UAE	CPA746	OMDB	VHHH	190614	1315	China
622.	UAE	UAE386	OMDB	VHHH	190614	1425	China
623.	UAE	UAE302	OMDB	ZGSZ	190614	2030	China

SAIOACG/10 and SEACG/27 – WP/06
Attachment B

624.	UAE	UAE382	OMDB	VHHH	190614	2315	China
625.	UAE	UAE366	OMDB	RCTP	190614	2340	China
626.	UAE	AOJ85S	OMDB	VTBD	190614	0630	India
627.	UAE	AOJ85S	OMDB	VTBD	190614	0630	Thailand
628.	UAE	ABY427	OMSJ	VOCI	190614	0910	India
629.	UAE	ABY465	OMSJ	VIDP	190614	0910	India
630.	UAE	AXB354	OMSJ	VOCL	190614	1040	India
631.	UAE	ABY401	OMSJ	VABB	190614	1240	India
632.	UAE	CPA746	OMDB	VHHH	190614	1315	India
633.	UAE	AXB172	OMSJ	VASU	190614	1535	India
634.	UAE	TCRSB	OMDW	VANP	190614	1610	India
635.	UAE	SAZ52	OMRK	VTSM	190614	1700	India
636.	UAE	SAZ52	OMRK	VTSM	190614	1700	Thailand
637.	UAE	ABY517	OMSJ	VGHS	190614	1710	India
638.	UAE	ABY425	OMSJ	VOCI	190614	1745	India
639.	UAE	ABY454	OMSJ	VOCL	190614	1810	India
640.	UAE	ABY471	OMSJ	VOMM	190614	1810	India
641.	UAE	ABY458	OMSJ	VOHS	190614	1815	India
642.	UAE	ABY503	OMSJ	VCBI	190614	1820	India
643.	UAE	ABY413	OMSJ	VOCB	190614	1825	India
644.	UAE	ABY449	OMSJ	VOTV	190614	1825	India
645.	UAE	ABY496	OMSJ	VOBL	190614	1830	India
646.	UAE	ABY463	OMSJ	VIDP	190614	1915	India
647.	UAE	ABY492	OMSJ	VOGO	190614	1920	India
648.	UAE	ABY406	OMSJ	VABB	190614	1945	India
649.	UAE	AXB614	OMSJ	VOTR	190614	1945	India
650.	UAE	ABY435	OMSJ	VIJP	190614	1950	India
651.	UAE	AIC968	OMSJ	VOTV	190614	2005	India
652.	UAE	AIC968	OMSJ	VOTV	190614	2005	India
653.	UAE	AXB116	OMAA	VIDP	190614	2020	India
654.	UAE	ABY489	OMSJ	VAAH	190614	2030	India
655.	UAE	AIC998	OMSJ	VOCL	190614	2130	India
656.	UAE	ABY521	OMSJ	VGEG	190614	2135	India
657.	UAE	IGO1402	OMSJ	VOTV	190614	2140	India
658.	UAE	AXB412	OMSJ	VOCI	190614	2205	India
659.	UAE	ABY513	OMSJ	VGHS	190614	2220	India
660.	UAE	AXB252	OMSJ	VABB	190614	2225	India
661.	UAE	ABY539	OMSJ	VNKT	190614	2235	India
662.	UAE	ETD37Y	OMAA	VOCI	190614	2255	India
663.	UAE	AIC912	OMDB	VABB	190614	2300	India
664.	UAE	AXB746	OMSJ	VOKN	190614	2315	India
665.	UAE	UAE9284	OMDW	VHHH	190614	2335	India

666.	UK	SIA305	EGLL	WSSS	190614	0825	Singapore
667.	UK	CES202	EGKK	ZSPD	190614	0925	China
668.	UK	SIA317	EGLL	WSSS	190614	1025	Singapore
669.	UK	HVN54	EGLL	VVNB	190614	1110	China
670.	UK	BAW17	EGLL	RKSI	190614	1135	China
671.	UK	BAW169	EGLL	ZSPD	190614	1235	China
672.	UK	BAW19	EGLL	RJBB	190614	1320	China
673.	UK	CCA788	EGLL	ZBAA	190614	1400	China
674.	UK	VIR250	EGLL	ZSPD	190614	1415	China
675.	UK	BAW39	EGLL	ZBAA	190614	1525	China
676.	UK	RBA004	EGLL	WBSB	190614	1655	Singapore
677.	UK	BAW31	EGLL	VHHH	190614	1740	China
678.	UK	KAL908	EGLL	RKSI	190614	1835	China
679.	UK	BAW11	EGLL	WSSS	190614	1855	Singapore
680.	UK	CBJ432	EGLL	ZSPD	190614	1920	China
681.	UK	AAR522	EGLL	RKSI	190614	1950	China
682.	UK	SIA319	EGLL	WSSS	190614	1950	Singapore
683.	UK	QFA2	EGLL	WSSS	190614	2005	Singapore
684.	UK	CAL070	EGKK	RCTP	190614	2010	China
685.	UK	CES552	EGLL	ZSPD	190614	2020	China
686.	UK	VIR206	EGLL	VHHH	190614	2050	China
687.	UK	BAW27	EGLL	VHHH	190614	2055	China
688.	UK	SIA321	EGLL	WSSS	190614	2105	Singapore
689.	UK	PAL721	EGLL	RPLL	190614	2220	China
690.	UK	BAW143	EGLL	VIDP	190614	0800	India
691.	UK	SIA305	EGLL	WSSS	190614	0825	India
692.	UK	AIC162	EGLL	VIDP	190614	0935	India
693.	UK	MAS3	EGLL	WMKK	190614	1000	India
694.	UK	SIA317	EGLL	WSSS	190614	1025	India
695.	UK	QFA10	EGLL	YPPH	190614	1110	India
696.	UK	AIC178	EGLL	VOBL	190614	1130	India
697.	UK	THA911	EGLL	VTBS	190614	1130	India
698.	UK	THA911	EGLL	VTBS	190614	1130	Thailand
699.	UK	BAW35	EGLL	VOMM	190614	1155	India
700.	UK	BAW119	EGLL	VOBL	190614	1315	India
701.	UK	AIC130	EGLL	VABB	190614	1325	India
702.	UK	BAW277	EGLL	VOHS	190614	1405	India
703.	UK	BAW9	EGLL	VTBS	190614	1510	India
704.	UK	BAW135	EGLL	VABB	190614	1650	India
705.	UK	RBA004	EGLL	WBSB	190614	1655	India
706.	UK	RBA004	EGLL	WBSB	190613	1655	Thailand
707.	UK	BAW9	EGLL	VTBS	190613	1730	Thailand

SAIOACG/10 and SEACG/27 – WP/06
Attachment B

708.	UK	BAW257	EGLL	VIDP	190614	1825	India
709.	UK	BAW11	EGLL	WSSS	190614	1855	India
710.	UK	BBC202	EGLL	VGSY	190614	1930	India
711.	UK	SIA319	EGLL	WSSS	190614	1950	India
712.	UK	QFA2	EGLL	WSSS	190614	2005	India
713.	UK	BAW33	EGLL	WMKK	190614	2010	India
714.	UK	BAW199	EGLL	VABB	190614	2025	India
715.	UK	THA917	EGLL	VTBS	190614	2025	India
716.	UK	THA917	EGLL	VTBS	190613	2025	Thailand
717.	UK	AIC112	EGLL	VIDP	190614	2030	India
718.	UK	ALK504	EGLL	VCBI	190614	2030	India
719.	UK	BAW15	EGLL	WSSS	190614	2030	India
720.	UK	EVA068	EGLL	VTBS	190614	2035	India
721.	UK	MAS1	EGLL	WMKK	190614	2035	India
722.	UK	EVA068	EGLL	VTBS	190613	2035	Thailand
723.	UK	VIR300K	EGLL	VIDP	190614	2040	India
724.	UK	SIA321	EGLL	WSSS	190614	2105	India
725.	Ukraine	AUI391	UKBB	VIDP	190614	1755	India
726.	USA	JNA648	PGUM	RKPK	190614	0415	Japan
727.	USA	DAL27	KATL	RKSI	190614	0420	China
728.	USA	CAL025	PGUM	RCTP	190614	0505	Japan
729.	USA	JJA3401	PGSN	RKSI	190614	0610	Japan
730.	USA	JNA642	PGUM	RKSI	190614	0615	Japan
731.	USA	KAL114	PGUM	RKSI	190614	0700	Japan
732.	USA	JJA3101	PGUM	RKSI	190614	0710	Japan
733.	USA	TWB302	PGUM	RKSI	190614	1455	Japan
734.	USA	TWB308	PGSN	RKSI	190614	1535	Japan
735.	USA	KAL112	PGUM	RKSI	190614	1625	Japan
736.	USA	AAR626	PGSN	RKSI	190614	1650	Japan
737.	USA	JJA3105	PGUM	RKSI	190614	1705	Japan
738.	USA	JJA3451	PGSN	RKPK	190614	1710	Japan
739.	USA	ASV102	PGUM	RKSI	190614	1715	Japan
740.	USA	UAL893	KSFO	RKSI	190613	1735	Japan
741.	USA	JJA3153	PGUM	RKPK	190614	1800	Japan
742.	USA	JJA3403	PGSN	RKSI	190614	1845	Japan
743.	USA	CES590	KSFO	ZSPD	190613	1900	Japan
744.	USA	CSC8648	PGSN	ZSPD	190613	2010	Japan
745.	USA	CSN432	KORD	ZBAA	190614	2225	China
746.	USA	AIC174	KSFO	VIDP	190614	1830	India
747.	USA	AIC102	KJFK	VIDP	190614	2030	India
748.	Viet Nam	JNA078	VVDN	RKSI	190614	0410	Japan
749.	Viet Nam	TWB126	VVDN	RKSI	190614	0425	Japan

750.	Viet Nam	CSN3070	VVTS	ZGGG	190614	0455	China
751.	Viet Nam	SIA175	VVNB	WSSS	190614	0535	Singapore
752.	Viet Nam	CPA2048	VVNB	VHHH	190614	1300	China
753.	Viet Nam	HVN718	VVCR	ZGGG	190614	1820	China
754.	Viet Nam	THY166	VVTS	LTFM	190614	1430	India

ATTACHMENT C – MISSING DEP MESSAGES PER STATE OF DEPARTURE - APAC States

Information provided by participating States Australia, China, Japan, Singapore and Thailand

	Administration Responsible for DEP	Departure Flights in Sample	Missing DEP Messages	% Missing (rounded)
1.	Australia	93	3	3
2.	Bangladesh	70	26	37
3.	Bhutan	1	0	0
4.	Brunei Darussalam	16	0	0
5.	Cambodia	153	2	1
6.	China	465	18	4
7.	Hong Kong, China	242	1	0
8.	Macao, China	21	1	5
9.	Cook Islands	2	0	0
10.	Fiji	13	0	0
11.	France (New Caledonia)	5	0	0
12.	India	117	17	15
13.	Indonesia	368	8	2
14.	Japan	73	1	1
15.	Lao PDR	33	2	6
16.	Malaysia	732	47	6
17.	Maldives	30	7	23
18.	Myanmar	53	2	4
19.	Nauru	1	1	1
20.	Nepal	50	10	20
21.	New Zealand	107	0	0
22.	Pakistan	5	2	40
23.	Papua New Guinea	12	2	17
24.	Philippines	191	7	4
25.	Republic of Korea	364	16	4
26.	Samoa	1	1	100
27.	Singapore	784	0	0
28.	Solomon Islands	1	0	-
29.	Sri Lanka	85	2	2
30.	Thailand	202	1	0
31.	Timor Leste	5	0	0
32.	USA	87	22	25
33.	Vanuatu	2	0	0
34.	Viet Nam	179	7	4
35.	TOTAL	4563	206	4.5%