



ICAO BANGKOK

UNITING AVIATION

# WP06 – Missing Departure (DEP) Messages

SAIOACG/10 and SEACG/27  
29 March – 02 April 2021

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# ATS Message Addressing

- Discussed at length in ATFM/SG/8, ATM/SG/6 (2018), ATFM/SG/9, ATM/SG/7 (2019), ATFM/SG/10, ATM/SG/8 (2020)
- PANS-ATM 11.2.1.1.1 – specifications for addressing ATS messages
  - Multiple examples of non-compliance in APAC (AIP ENR 1.11 – see **WP06 Att A**)
  - Key factor in missing FPL and associated ATS messages
  - **Conclusion ATM/SG/7-5 (2019): *ATS Message Reception and Handling***
  - ICAO action planned – direct contact with DGs, CAPs, potential APANPIRG Deficiencies.

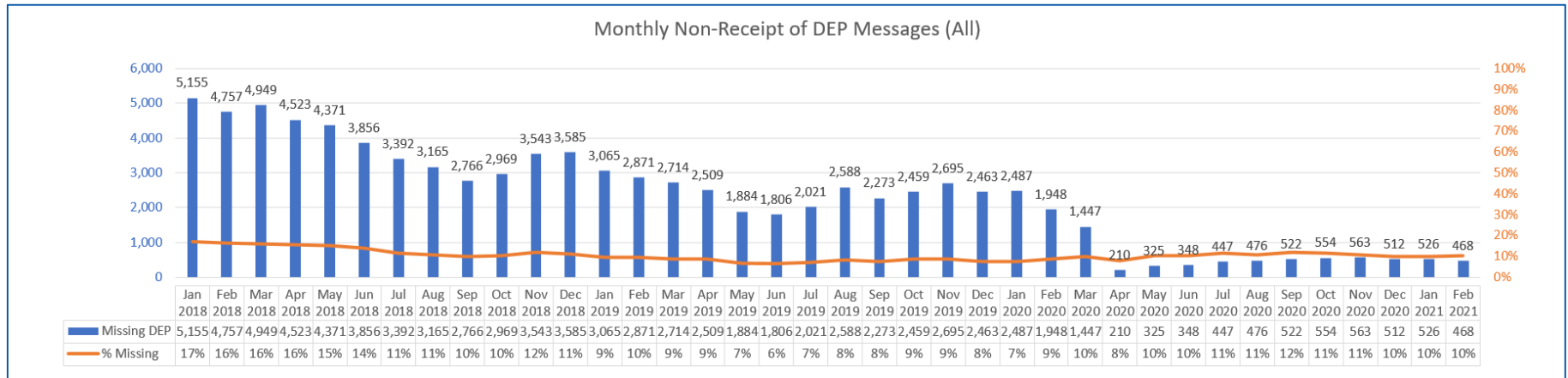


## COVID-19 impact on DEP Message Analysis

- No regional analysis of missing DEP in 2020
- APANPIRG/31 (December 2020) - No change to APANPIRG ANS Deficiencies for non transmission of DEP messages (PANS-ATM 11.4.2.2.6)
- Regional analysis to be conducted in 2021
- Thailand analysis (continuous)

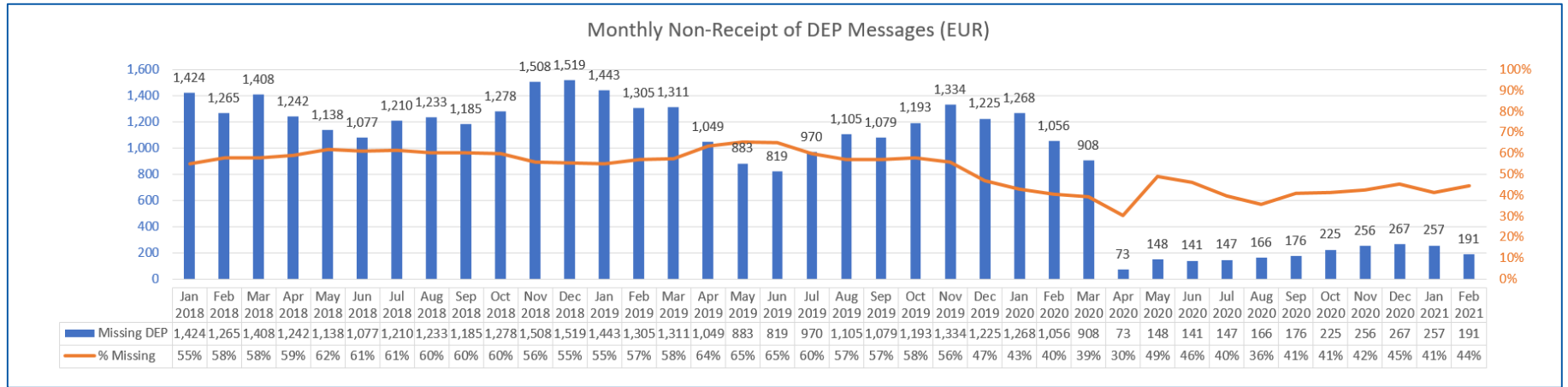


# Missing DEP Messages – Thailand Analysis – all (APAC and non-APAC) Jan 2018 – Feb 2021



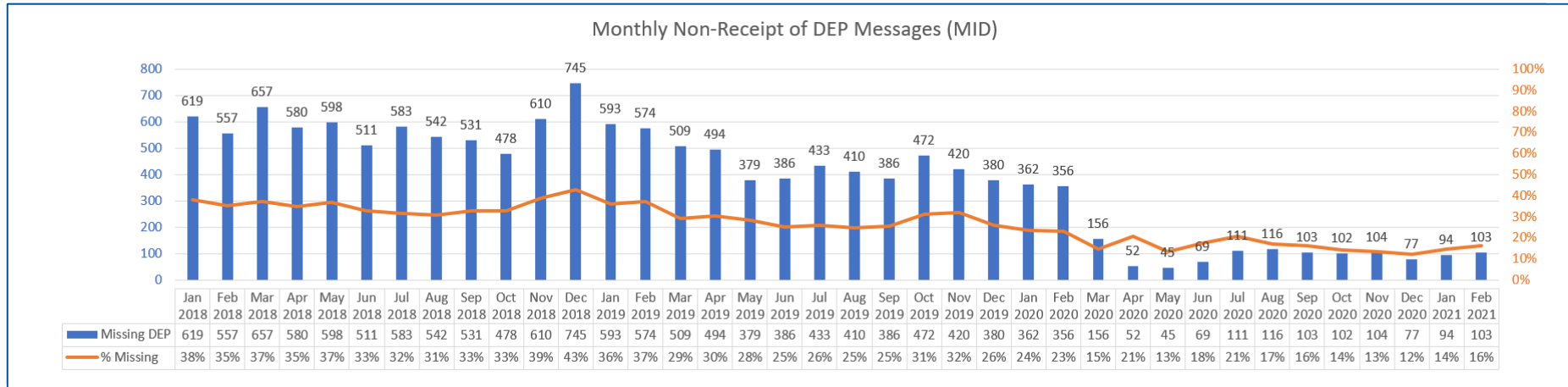


# Missing DEP Messages – Thailand Analysis – EUR Region Jan 2018 – Feb 2021





# Missing DEP Messages – Thailand Analysis – MID Region Jan 2018 – Feb 2021





## Missing DEP Messages – Thailand Analysis – ALL NON-APAC Region

### Worst non-APAC performers in February 2021

- United Kingdom, France, Ethiopia, Bahrain (100% of DEP missing)
- Turkey (97%)
- Germany (27%)
- Russia (25%)

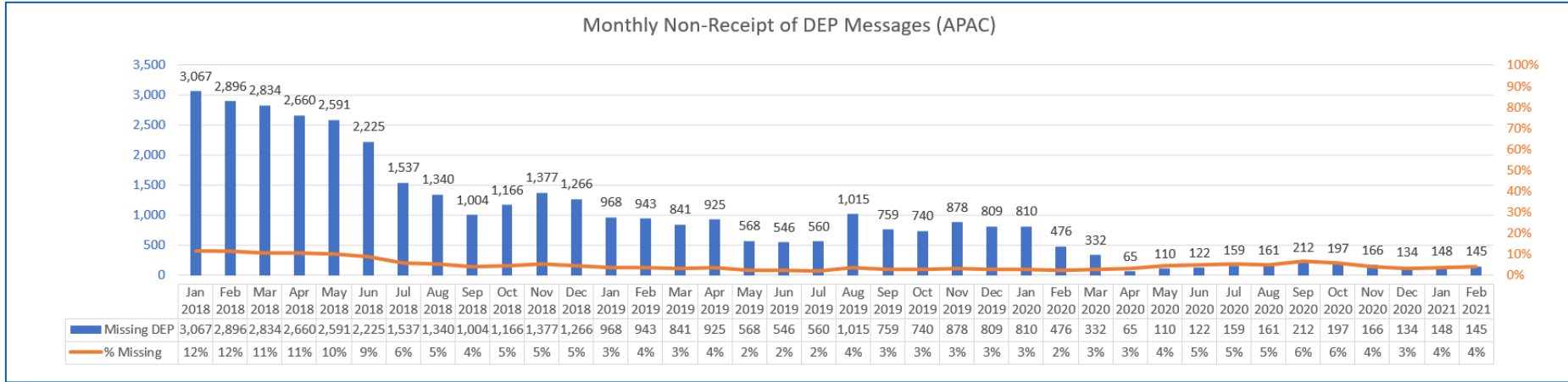


## Missing DEP Messages – Thailand Analysis – March to October 2020

<b>2020/2021</b>	<b>SEP 2020</b>	<b>OCT 2020</b>	<b>NOV 2020</b>	<b>DEC 2020</b>	<b>JAN 2020</b>	<b>FEB 2020</b>
All Originators	12%	11%	11%	10%	10%	10%
APAC Region Originators	6%	6%	4%	3%	4%	4%
EUR Region Originators	41%	41%	42%	45%	41%	41%
MID Region Originators	16%	14%	13%	12%	14%	16%



# Missing DEP Messages – Thailand Analysis – APAC originators





# Missing DEP Messages – Thailand Analysis – SAIOACG/SEACG

## Participant States

### September 2020 – February 2021

Afghanistan 100% missing

Bangladesh 42%

Bhutan 10%

India 19%

Indonesia 8%

Malaysia 17%

Maldives 15%

Pakistan 12%

USA 24%

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



## Action by the Meeting (message addressing requirements in AIP)

### 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;



## Action by the Meeting (transmission of DEP messages)

### 3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- 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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THANK YOU