International Civil Aviation Organization

Fifth Meeting of the Asia/Pacific Air Traffic Management Automation System Task Force (APAC ATMAS TF/5)

Chengdu, China, 5 – 7 June 2024

Agenda Item 8:   Review AIDC Implementation Issues Reported and Discuss Recommended Solutions

AIDC IMPLEMENTATION ISSUE REPORT

(Presented by India, Indonesia and Singapore)

SUMMARY

This paper presents the AIDC implementation issues reported by members States/Administrations. The aim of this information sharing is to become a lesson learned for other members States/Administrations and trying to find solutions for these issues.

1.   INTRODUCTION

1.1.   As a continuation of the APAC AIDC Implementation Issues in ATMAS TF/4. The update issues will continue report by this meeting.

1.2.   In accordance with the result of the APA TF/5 (2019) meetings in the Appendix C to the Report – List of Action Items for Asia/Pacific AIDC Task Force – All members States/Administrations are encouraged to provide identified ISSUES for sharing and learning by filling in the AIDC Issues Form.

1.3.   During APA TF/5, the resolutions methodology against to the reported issues were suggested in three categories:

- Issues pertaining to Communication Infrastructure and Interfacing equipage:

  Various issues related to latency, outage and time-out are related to communication infrastructure and should be jointly addressed by the respective States.

- Issues pertaining to ATM system parameters and Application Software:

  These issues require States/Administrations to coordinate with the vendors, except in term of modifying system parameters are sufficient to be able to resolve the issues.

- Issues pertaining to Design Procedures, SOP, Operator's Training:

  These issues are internal to the States/Administrations concerned and should be addressed by the respective States.

2.   DISCUSSION

AIDC Issues Category

2.1   In accordance with the AIDC implementation issues form, the predetermined Fault Category are as follows:

   a)   Communication Link;
   b)   ATM System;
   c)   AIDC Message;
   d)   Airspace Design/Procedures;
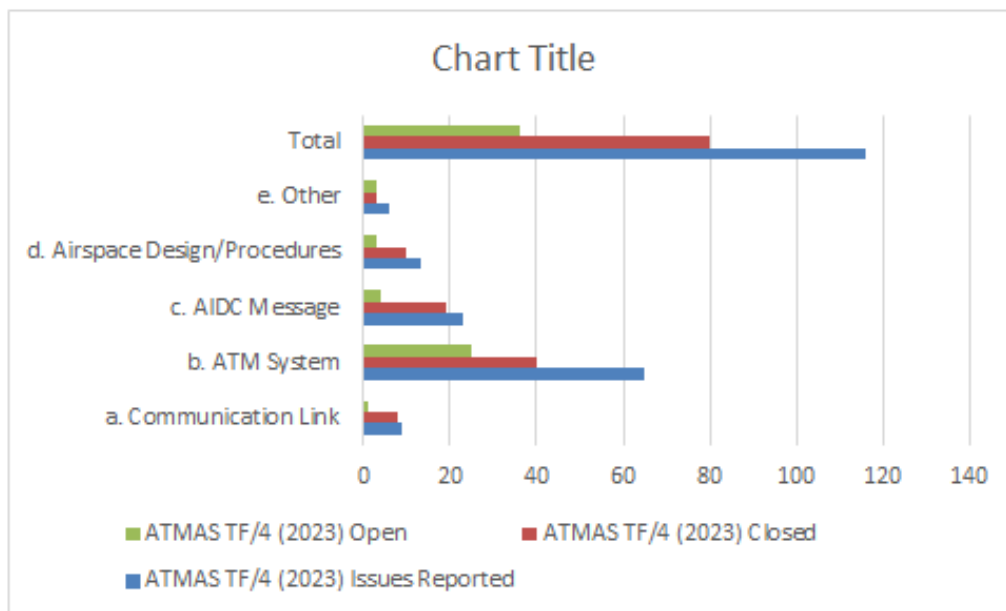   e)   Other.

AIDC Issues Reported

2.2   The last ATMAS TF (ATMAS TF/4) the number of AIDC implementation issues reported by members States/ Administration, based on fault category are as shown in a table and chart:

Table 1. AIDC Issues reported by ATMAS TF/4

Fault Categories	ATMAS TF/4 (2023)		
	Issues Reported	Closed	Open
a. Communication Link	9	8	1
b. ATM System	65	40	25
c. AIDC Message	23	19	4
d. Airspace Design/Procedures	13	10	3
e. Other	6	3	3
Total	**116**	**80**	**36**

*Chart 1. AIDC Implementation Issues Chart by ATMAS TF/4*

2.3   There is no new reported AIDC implementation issues are provided since **ATMAS TF/3**. update AIDC implementation issues are reported from Australia (3 reports), India (12 reports) and Malaysia (9 reports). Indonesia and Singapore inform that there is no issue and updates during the ATMAS TF/4 to ATMAS TF/5 period. All reported AIDC implementation issues are provided in the **Attachment** A to this paper.

2.4   The number of AIDC implementation issues reported by members States/ Administration, based on fault category are as shown in a table and chart:

Table 2. AIDC Issues reported in ATMAS TF/5

Fault Categories	ATMAS TF/5 (2024)		
	Issues Reported	Closed	Open
a. Communication Link	9	9	0
b. ATM System	65	56	9
c. AIDC Message	23	22	1
d. Airspace Design/Procedures	13	12	1
e. Other	6	4	2
Total	**116**	**103**	**13**

Chart 2. AIDC Implementation Issues Chart in ATMAS TF/5
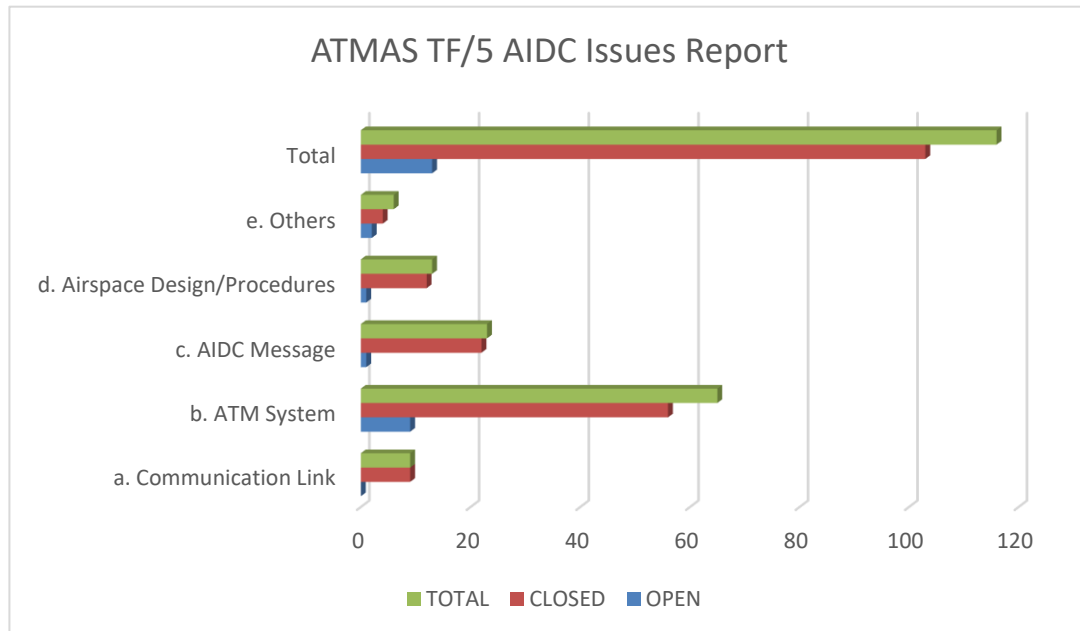
2.5   Contributing countries in sharing of AIDC implementation issues up to ATMAS TF/5, are Australia, India, Indonesia, Malaysia, Maldives, Singapore and Philippines. All members States/Administrations are encouraged to contribute by reporting their AIDC implementation issues, if any.

AIDC Issues Summaries and Solutions

2.6   Issues pertaining to <u>Communication Infrastructure and Interfacing Equipage</u> update reported as follows:

a) Issues updated by India :

- Two test trials were conducted with good results. Trial operations are going on. AFTN latency issues observed at times. TOC and AOC msg not successfully handled by the ATM system at Delhi. Hardware and software issues with ATC automation system at Varanasi. Issues with Flightplan also observed; closed/*No latency issues. TOC and AOC issues resolved.*

- Observational trials conducted in March 2020. AFTN latency issues observed at times. TOC and AOC message not successfully handled by the ATM system at Delhi. Hardware and software issues with ATC automation system at Nagpur. Issues of missing FPL also observed; Closed/ *No latency issues. TOC and AOC issues resolved.*

- New LOA signed. Coordination between Ahmedabad and Delhi happening mainly through AIDC. AFTN latency issues observed at times. TOC and AOC messages not successfully handled by the ATM system at Delhi. For some flights AIDC messages not generated. Hardware and software issues with ATC automation system at Ahmedabad; Closed/ *No latency issues. TOC and AOC issues resolved.*

- AFTN latency issues observes at times (AMSS) to be upgraded to support unimpeded AIDC message handling; Closed/ *more information by the contributor, if any.*

2.7   Issues pertaining to <u>ATM system parameters and Application Software</u> updated reported as follow:

a) Issues updated by Australia:

- Limited AIDC V3 compliance (partial compliance on block levels only, no weather deviations or other optional formats); Closed/*by update software now support offsets and weather deviations as well as block levels in all messages*.

- Limited CDN capability, Limited ability to transmit CDN messages, and cannot always correctly process receive CDN messages; Closed/*more information by the contributor, if any.*

- Unable to process a received CPL message; Closed/ *more information by the contributor, if any.*

b) Issues updated by India:

- Messages from Karachi to Delhi like ABI were rejected by Delhi system due to Error Message 61 (CRC Error). Karachi has done changes through OEM. The problem still persists with majority of error message 61 and 57 as per latest observation.; Closed/*due to FIR reorganization in pairing FIR.*

- System not support truncation indicator; Closed/ 1) The ABI messages from Nagpur does not have route truncation indicator "T". Reference Asia/Pacific Regional Interface Control Document for AIDC version 3.0 – September 2007. 2) The Nagpur System does not send EST messages, if the ABI message transaction from Nagpur is not successful. Vide email dated 12th March 2024, Chennai ATM, requested for an early resolution of the point 1 & 2 and proposes to increase the use of AIDC on trial continuously from a convenient date (may be proposed by VANP). need software upgrade.

- Unexpected CDN message sending; Closed/due to limitation of the system, the system is nearing completion of its lifecycle and also due to non-availability of AMC.

- Chennai reported The SSR Codes received through AIDC message are getting retained in Chennai FDPS for days and are not available for re-use. Controllers must use Chennai adapted pool of limited SSR codes for track correlation. As a result, the adapted Chennai pool of SSR codes gets exhausted very soon. AIDC testing is suspended. Closed/*more information by contributor, if any.*

- Some HMI Issues reported at Ahmedabad, and Nagpur. Closed/*more information by contributor, if any.*

- Some new Issues from India on ATM system need more information regarding Action Taken. Open/*more information by contributor, if any.*

c) Issues updated by Indonesia (Ujung Pandang ACC):

- ACP reception indicator does not appear in the electronic strip; Open/need software upgrade in UPG.

- REJ message from OAK ACC and KK ACC could not be processed; Open/need software upgrade in UPG.

d) Issues updated by Malaysia:

- LRM from Chennai against ABI and EST from KL; Closed/due to KL migrated to new system.

- LRM transmitted in response to AOC received from Chennai; Closed/due to KL migrated to new system.

- Calculated CRC was not tally with received CRC from Chennai; Closed/due to KL migrated to new system.

- Chennai transmitted second EST or ACP after complete process cycle of first EST; Closed/due to KL migrated to new system

- Bangkok transmitted second EST after complete process cycle of first EST; Closed/due to KL migrated to new system.

- Kota Kinabalu and Singapore Delayed in transmitting auto EST and No ACP received. Closed/ *EST is sent automatically under new system development.*

e) No updated by Maldives

f) Issues updated to Philippines (Manila ACC):

- Received multiple ABI from KK ACC; Closed/Migrated new system in KK.

g) No updated Issues by Singapore:

2.8   Issues pertaining to <u>AIDC Messages</u> updated reported as follows :

a) Issues updated by India :

- ABI message exchanged between two system and messages were rejected due to route error and mismatch in coordination timing; Closed/ *more information by contributor, if any.*

b) Issues updated by Malaysia :

- ACP for Chennai EST & CDN were responded timely but Chennai responded with LRM-RMK/5/3; Closed / No more occurrence under observation by both ATSU.

- Chennai responded LRM-RMK/57/ (invalid message) for ABI/EST messages though ABI/EST sent were valid. this occurance only for TOC/AOC (2022 update reported); Closed/ No more occurrence under observation by both ATSU.

- Chennai responded LRM-RMK/57/ (invalid message) for TOC message eventhough TOC was sent in valid format timely; Closed / No more occurrence under observation by both ATSU.

2.9   Issues pertaining to Design Procedures, SOP, Operator's Training updated report as follows:

a) Issues updated by India:

- Dynamic sectorization of UTV between Chennai and Trivandrum; Closed/ *The system at Trivandrum is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non-availability of AMC.*

b) Issues updated by Malaysia:

- Bangkok transmitted TOC, AOC and MAC which is not included in operational implementation; Closed/ *Will be tested and included in next TOC/AOC Trial between Lumpur and Bangkok.*

- Bangkok transmitted EST with incorrect COP due to incorrect FPL route from airline operator; Closed/ *Will be tested and included in next TOC/AOC Trial between Lumpur and Bangkok.*

2.10   Issues pertaining to others updated report as follows:

a) Issues updated by India:

- The acceptance of EST message is in manual mode; Closed/ *more information by contributor, if any.*

b) Issues updated by Malaysia:

- KL received a lot of complains that Chennai controller didn't respond to CDN; Open/ *Continuous monitoring under new ATM system for LoA and SOP Evaluation.*

2.11   Due to the limited explanation contained in the report, it should be considered to provide an opportunity to get further clarification in this meeting, if there are other countries that need to elaborate the issues.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

a) note the information contained in this papers;

b) update and elaborate the AIDC implementation issues above, including resolution has been taken, if any;

c) encourage all States/Administration to continue report the AIDC implementation issues, and

d) discuss any relevant matter as appropriate.

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REFERENCE

Field	Title of Field	Description / *Instances*	Remark
1	Issue reference	*AIDC-ISSUE-1*	AIDC-ISSUE-n
2	Reporting State/ATSU	*Indonesia/Ujung Pandang ACC*	-
3	Pairing FIR1/FIR2	*UjungPandang/Brisbane*	-
4	Date of Reported	*2015-12-03*	-
5	Date of Occurence	*2015-10-10*	-
6	Fault Category	a. Communication Link, or	a. faults related to AIDC communication link (eg AFTN, direct connection, etc)
		b. ATM System, or	b. faults caused by ATMS software issues
		c. AIDC Message, or	c. faults related to AIDC messages headers, content, syntax, etc
		d. Airspace Design/Procedures, or	d. faults attributed to airspace configuration (eg: common shared boundary points on different ATS routes, etc)/ ATC procedures
		e. Others.	e. others
7	Description of Fault	Brief summary of fault in not more than 20 words	-
8	Frequency	a. Frequent, or	a. At least 1 reported case every 24 hours
		b. Occasionally, or	b. At least 1 reported case between 1 to 7 days
		c. Rare.	c. At least 1 reported case beyond 7 days
9	Priority (assessed by TF or RO)	High	-
		Medium	
		Low	
10	ATSU/ Vendor	*Ujung Pandang ACC / THALES*	-
11	Actions Taken/Updated Date	*It was a system's bug and the software has been upgraded/ 21Dec2015*	Sub information is separated by delimiter slash (/)
12	Status (Open/Closed)	*Closed*	-

AIDC ISSUES FORM - ATMAS TF/5 (2024)

Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-1	Australia / Brisbane ACC Australia / Melbourne ACC	Brisbane / Melbourne	2016-01-02	-	b. ATM System, or	Limited AIDC V3 compliance (partial compliance on block levels only, no weather deviations or other optional formats) Now support offsets and weather deviations as well as block levels in all messages	Frequent	Low	Brisbane ACC & Melbourne ACC/ THALES	Software limitation / 02Jan2016 Corrected mid 2023	CLOSED
AIDC-ISSUE-2	Australia / Brisbane ACC Australia / Melbourne ACC	Brisbane / Melbourne	2016-01-02	-	b. ATM System, or	LRM may contain incorrect field number	Occasionally	Low	Brisbane ACC & Melbourne ACC/ THALES	Software limitation / 02Jan2016	OPEN
AIDC-ISSUE-3	Australia / Brisbane ACC Australia / Melbourne ACC	Brisbane / Melbourne	2016-01-02	-	b. ATM System, or	Limited CDN capability. Limited ability to transmit CDN messages, and cannot always correctly process received CDN messages	Occasionally	Low	Brisbane ACC & Melbourne ACC/ THALES	Software limitation / 02Jan2016 Corrected mid 2023	CLOSED
AIDC-ISSUE-4	Australia / Brisbane ACC Australia / Melbourne ACC	Brisbane / Melbourne	2016-01-02	-	b. ATM System, or	Unable to process a received CPL message	Occasionally	Low	Brisbane ACC & Melbourne ACC/ THALES	Software limitation / 02Jan2016 Corrected mid 2023	CLOSED
AIDC-ISSUE-5	Australia / Brisbane ACC Australia / Melbourne ACC	Brisbane / Melbourne	2016-01-02	-	b. ATM System, or	Only a limited number of characters (250) in Field 18 are supported.	Occasionally	Low	Brisbane ACC & Melbourne ACC / THALES	Software limitation / 02Jan2016	OPEN
AIDC-ISSUE-6	Australia / Brisbane ACC Australia / Melbourne ACC	Brisbane / Melbourne	2016-01-02	-	b. ATM System, or	No support for AIDC messages developed in AIDC V2 and onwards (e.g. FAN, FCN, ADS, TRU etc.).	Frequent	Low	Brisbane ACC & Melbourne ACC / THALES	Software limitation / 02Jan2016	OPEN
AIDC-ISSUE-7	India / Delhi ACC	Delhi / Lahore	2020-07-01	-	b. ATM System, or	Messages from Lahore to Delhi like ABI were rejected by Delhi system due to Error Message 61 (CRC Error). No AIDC messages being received from Lahore as per latest observation.	Frequent	High	Delhi ACC / INDRA	Error is perhaps because Lahore System is generating extra spaces. Lahore should start the AIDC coordination with Delhi. There should be joint observation and exercise conducted to assess the status.	OPEN
AIDC-ISSUE-8	India / Delhi ACC	Delhi / Karachi	2020-07-01	-	b. ATM System, or	Messages from Karachi to Delhi like ABI were rejected by Delhi system due to Error Message 61 (CRC Error). Karachi has done changes through OEM. The problem still persists with majority of error message 61 and 57 as per latest observation.	Frequent	High	Delhi ACC / INDRA	Karachi is no longer a pairing FIR with Delhi after FIR reorganization in Pakistan.	CLOSED
AIDC-ISSUE-9	India / Delhi ACC	Delhi / Varanasi	2020-01-07	-	a. Communication Link, or	Two test trials were conducted with good results.Trial operations are going on. AFTN latency issues observed at times. TOC and AOC msg not successfully handled by INDRA ATM system at Delhi..Hardware and software issues with ATC automation system at Varanasi. Issues with Flightplan also observed.	Occasionally	Low	Delhi ACC / INDRA Varanasi ACC / INDRA	No Latency Issues. TOC and AOC issues resolved	CLOSED
AIDC-ISSUE-10	India / Delhi ACC	Delhi / Nagpur	2020-07-01	-	a. Communication Link, or	Observational trials conducted in March 2020. AFTN latency issues observed at times. TOC and AOC message not successfully handled by INDRA ATM system at Delhi. Hardware and software issues with ATC automation system at Nagpur. Issues of missing FPL also observed.	Occasionally	Low	Delhi ACC / INDRA Nagpur ACC / INDRA	No Latency Issues. TOC and AOC issues resolved	CLOSED
AIDC-ISSUE-11	India / Delhi ACC	Delhi / Ahmedabad	2020-07-01	-	a. Communication Link, or	New LOA signed. Coordination between Ahmedabad and Delhi happening mainly through AIDC. AFTN latency issues observed at times. TOC and AOC messages not successfully handled by INDRA ATM system at Delhi. For some flights AIDC messages not generated. Hardware and software issues with ATC automation system at Ahmedabad.	Occasionally	Low	Delhi ACC / INDRA Ahmedabad ACC / INDRA	No Latency Issues. TOC and AOC issues resolved	CLOSED
AIDC-ISSUE-12	India / Ahmedabad ACC	Ahmedabad / Nagpur	-	-	a. Communication Link, or	AFTN latency issues observed at times. AFTN (AMSS) to be upgraded to support unimpeded AIDC message handling.	Occasionally	High	Ahmedabad ACC / INDRA		CLOSED

AIDC ISSUES FORM - ATMAS TF/5 (2024)

Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-13	India / Ahmedabad ACC	Ahmedabad / Karachi	2014-06-04 to 2023-05-02	-	c. AIDC Message, or	ABI messages exchanged between two system and messages were rejected due route error and mismatch in coordination timing. Modification in airways was required for Ahmedabad and Karachi DBM. On 12 June 2014 required modification were made in airways (like imaginary points) for effectively acceptance of AIDC messages. ABI messages of some of the aircrafts were not correlated with FPL available in ATS automation system. Karachi has done changes through OEM. Re-testing is in progress. Message transaction rate is 100% for all AIDC messeges from Karachi to Ahmedabad. Message transaction from Ahmedabad to Karachi is unsuccessful. All messages are rejected from Karachi Automation System with unknown error no. 57. **Following undesirable AIDC messages are being received from KARACHI: 1. MAC message for flights those have already operated: Result FPL comes in initial state and all history of that flight is reset. 2. Updation of route through ABI: Recieving ABI messages with wrong route details Result: FPL is updated with incorrect route. 3. Mismatching of the flight data for billing purpose due to both above undesirable AIDC messages.**	Frequent	High	Ahmedabad ACC / INDRA	Coordination protocol dialogue timeout was observed. Karachi AMSS-AFTN system time was also synchronized. Automatic time synchronization through GPS server in AMSS-AFTN system at Ahmedabad and Karachi was done for smooth exchange of AIDC messages. Rejection of AIDC messages have reduced / 30Nov2015. The issue may be removed from the list	**CLOSED**
AIDC-ISSUE-14	India / Varanasi ACC	Varanasi / Nagpur	-	-	b. ATM System, or	AFTN (AMSS) to be upgraded at Nagpur to support unimpeded AIDC message handling. Some HMI issues at both the stations.	Frequent	Low	Varanasi ACC / INDRA Nagpur ACC / INDRA	New AMSS installation at Nagpur has been proposed. Same is under process / 30Jan2018. The issues was observed during trial operations. The trials were not successful and hence AIDC is not operation. The issue may be removed from the list.	**CLOSED**
AIDC-ISSUE-15	India / Kolkata ACC	Kolkata / Varanasi	-	-	b. ATM System, or	Some HMI issues at Varanasi. AIDC has been suspended.	Frequent	Low	Kolkata ACC / INDRA Varanasi ACC / INDRA	Issue resolved.	**CLOSED**
AIDC-ISSUE-16	India / Kolkata ACC	Kolkata / Nagpur	-	-	b. ATM System, or	AFTN (AMSS) to be upgraded to support unimpeded AIDC message handling. Some HMI issues at Nagpur. AIDC has been suspended	Frequent	Low	Kolkata ACC / INDRA Nagpur ACC / INDRA	New AMSS installation at Nagpur has been completed. Issue resolved.	**CLOSED**
AIDC-ISSUE-17	India / Kolkata ACC	Kolkata / Chennai	-	-	a. Communication Link, or	LOA signed and AIDC Under trial phase. 1. The ICAO route truncation indicator is not supported by INDRA system. 2. Kolkata system does not support adaptation of multiple center name for one ACC. Therefore different AIDC parameters cannot be adapted for different sectors like OCC and ACC sectors posing operational problems.	Occasionally	Medium	Kolkata ACC / INDRA Chennai ACC / RAYTHEON	Issue resolved.	**CLOSED**

AIDC ISSUES FORM - ATMAS TF/5 (2024)

Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-18	India / Chennai ACC	Chennai / Nagpur	-	-	b. ATM System, or	The AIDC testing were done from 8th June 2022 to 15th June 2022. The ICAO route truncation indicator is not supported by Aircon2100 system. Also, Nagpur System sends the EST message for successful ABI messages only.	Occasionally	Medium	Chennai ACC / RAYTHEON Nagpur ACC / INDRA	12th March 2024. 1) The ABI messages from Nagpur does not have route truncation indicator "T". Reference Asia/Pacific Regional Interface Control Document for AIDC version 3.0 – September 2007. 2) The Nagpur System does not send EST messages, if the ABI message transaction from Nagpur is not successful. Vide email dated 12th March 2024, Chennai ATM, requested for an early resolution of the point 1 & 2 and proposes to increase the use of AIDC on trial continuously from a convenient date (may be proposed by VANP).	CLOSED
AIDC-ISSUE-19	India / Chennai ACC	Chennai / Colombo	2015-08-06 2015-10-06 2015-12-06	-	b. ATM System, or	The AIDC Test with Test Flight Plans were conducted on 12th September 2022 and 14th September 2022 between 0900-1100 UTC, and the tests were satisfactory. Chennai suggested to Colombo, to have regular AIDC Tests with the actual traffic on mutually agreeable date and time, so as to resolve the issues for an early implementation of the AIDC between Chennai and Colombo.	Rare	Low	Chennai ACC / RAYTHEON	10th April 2024. Chennai Suggests for the implementation of the AIDC Operation with Colombo and early signing of LoA for implementation.	CLOSED
AIDC-ISSUE-20	India / Chennai ACC	Chennai / Maldives	2014-11-25	-	c. AIDC Message, or	Trials were mostly successful barring some LRMs, like reference ID in ODF 3 is not as per ICD.	Rare	Medium	Chennai ACC / RAYTHEON Maldives ACC / SELEX	Message transaction rate is 100% and the message delivery was successful / 30Nov2015	CLOSED
AIDC-ISSUE-21	India / Chennai ACC	Chennai / Trivandrum	-	-	b. ATM System, or	Even after sending a rejection or counter coordination message by Chennai, the sending station continues to send the CDN message. The ICAO route truncation indicator is not supported by INDRA Aircon 2100 system.	Occasionally	Medium	Chennai ACC / RAYTHEON Trivandrum ACC / INDRA	The INDRA system at Trivandrum is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non availability of AMC with the vendor. Hence this problem maybe treated as closed.	CLOSED
AIDC-ISSUE-22	India / Chennai ACC	Chennai / Mangalore	-	-	b. ATM System, or	Even after sending a rejection or counter coordination message by Chennai, the sending station continues to send the CDN message.	Occasionally	Medium	Chennai ACC / RAYTHEON	The INDRA system at Mangalore is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non availability of AMC with the vendor. Hence this problem maybe treated as closed.	CLOSED

AIDC ISSUES FORM - ATMAS TF/5 (2024)

Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-23	India / Chennai ACC	Chennai / Trichy	-	-	b. ATM System, or	Even after sending a rejection or counter coordination message by Chennai, the sending station continues to send the CDN message.	Occasionally	Medium	Chennai ACC / RAYTHEON	The INDRA system at Trichy is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non availability of AMC with the vendor. Hence this problem maybe treated as closed.	CLOSED
AIDC-ISSUE-24	India / Chennai ACC	Chennai / Hyderabad	-	-	b. ATM System, or	The SSR Codes received through AIDC message are getting retained in Chennai FDPS for days and are not available for re-use. Controller have to use Chennai adapted pool of limited SSR codes for track correlation. As a result the adapted Chennai pool of SSR codes gets exhausted very soon. AIDC testing is temporarily suspended.	Frequent	High	Chennai ACC / RAYTHEON Hyderabad ACC / SELEX	SSR code issue at Chennai resolved / 29Mar2019	CLOSED
AIDC-ISSUE-25	India / Chennai ACC	Chennai / Bengaluru	2015-03-24	-	b. ATM System, or	The SSR Codes received through AIDC message are getting retained in Chennai FDPS for days and are not available for re-use. Controller have to use Chennai adapted pool of limited SSR codes for track correlation. As a result the adapted Chennai pool of SSR codes gets exhausted very soon. AIDC testing is temporarily suspended.	Rare	High	Chennai ACC / RAYTHEON	SSR code issue at Chennai resolved / 29Mar2019	CLOSED
AIDC-ISSUE-26	India / Mumbai ACC	Mumbai / Ahmedabad	-	-	b. ATM System, or	Some HMI issues at Ahmedabad	Frequent	Low	Mumbai ACC / RAYTHEON Ahmedabad ACC / INDRA	Nil / 30 Jun 2020	CLOSED
AIDC-ISSUE-27	India / Mumbai ACC	Mumbai / Nagpur	-	-	b. ATM System, or	Some HMI issues at Nagpur.	Frequent	Low	Mumbai ACC / RAYTHEON Nagpur ACC / INDRA	Nil / 30 Jun 2020	CLOSED
AIDC-ISSUE-28	India / Ahmedabad ACC	Ahmedabad / Nagpur	-	-	b. ATM System, or	Some HMI issues at Nagpur.	Frequent	Low	Ahmedabad ACC / INDRA Nagpur ACC / INDRA	Nil / 30Jan2018	CLOSED
AIDC-ISSUE-29	India / Kolkata ACC	Kolkata / Chennai	-	-	e. Others.	Under trial phase. The acceptance of EST message is in manual mode.	Frequent	Low	Kolkata ACC / INDRA Chennai ACC/ RAYTHEON	Nil / 30Jan2018	CLOSED
AIDC-ISSUE-30	India / Chennai ACC	Chennai / Nagpur	-	-	b. ATM System, or	The ICAO route truncation indicator is not supported by INDRA Aircon 2100 system.	Frequent	Medium	Chennai ACC / RAYTHEON Nagpur ACC / INDRA	Refer Explanation AIDC-ISSUE-18	CLOSED
AIDC-ISSUE-31	India / Chennai ACC	Chennai / Maldives	-	-	b. ATM System, or	Seconds field included in lat/long is received which is not as per ICD.	Frequent	Low	Chennai ACC / RAYTHEON Maldives ACC / SELEX	Message transaction rate is 100% and the message delivery was successful / 30Nov2015	CLOSED
AIDC-ISSUE-32	India / Chennai ACC	Chennai / Trivandrum	-	-	b. ATM System, or	The ICAO route truncation indicator is not supported by INDRA Aircon 2100 system.	Frequent	Medium	Chennai ACC / RAYTHEON Trivandrum ACC / INDRA	The INDRA system at Trivandrum is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non availability of AMC with the vendor. Hence this problem maybe treated as closed.	CLOSED

AIDC ISSUES FORM - ATMAS TF/5 (2024)

Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-33	India / Chennai ACC	Chennai / Mangalore	-	-	b. ATM System, or	The ICAO route truncation indicator is not supported by INDRA Aircon 2100 system.	Frequent	Medium	Chennai ACC / RAYTHEON	The INDRA system at Mangalore is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non availability of AMC with the vendor. Hence this problem maybe treated as closed.	CLOSED
AIDC-ISSUE-34	India / Chennai ACC	Chennai / Trichy	-	-	b. ATM System, or	The ICAO route truncation indicator is not supported by INDRA Aircon 2100 system.	Frequent	Medium	Chennai ACC / RAYTHEON	The INDRA system at Trichy is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non availability of AMC with the vendor. Hence this problem maybe treated as closed.	CLOSED
AIDC-ISSUE-35	India / Chennai ACC	Chennai / Nagpur	-	-	d. Airspace Design/Procedures, or	Airspace configuration issue.	Frequent	Medium	Chennai ACC / RAYTHEON Nagpur ACC / INDRA	Nil / 30Jan2018 25th April 2019	CLOSED
AIDC-ISSUE-36	India / Chennai ACC	Chennai / Trivandrum	-	-	d. Airspace Design/Procedures, or	Due to dynamic sectorization of UTV between Chennai and Trivandrum, no AIDC coodination is possible for overflying aircraft. But AIDC is possible for aircraft departing/arriving from/to destinations within the lateral limits of UTV. AIDC coordination not possible for level changes after the initial coordination. NOTIFIED (ABI), INITIAL COORDINATION (EST, CPL), TRANSFER OF CONTROL (TOC, AOC) is possible.	Frequent	Medium	Chennai ACC / RAYTHEON Trivandrum ACC / INDRA	The INDRA system at Trivandrum is capable of performing initial AIDC coordination only. A subsequent AIDC coordination is not possible in this system. Rectification of this anomaly is not suggested as the system is nearing completion of its lifecycle and also due to the non availability of AMC with the vendor. Hence this problem maybe treated as closed.	CLOSED
AIDC-ISSUE-37	India / Chennai ACC	Chennai / Mangalore	-	-	d. Airspace Design/Procedures, or	Airspace configuration issue.	Frequent	Medium	Chennai ACC / RAYTHEON	The issues was observed during trial operations. The trials were not successful and hence AIDC is not operation. The issue may be removed from the list.	CLOSED
AIDC-ISSUE-38	India / Chennai ACC	Chennai / Trichy	-	-	d. Airspace Design/Procedures, or	Airspace configuration issue.	Frequent	Medium	Chennai ACC / RAYTHEON	The issues was observed during trial operations. The trials were not successful and hence AIDC is not operation. The issue may be removed from the list.	CLOSED
AIDC-ISSUE-39	India / Kolkata ACC	Kolkata / Chennai	-	-	a. Communication Link, or	AFTN latency issues observed at times.	Occasionally	Low	Kolkata ACC / INDRA Chennai ACC / RAYTHEON	No latency is observed now. Recommended for closure of issue.	OPEN
AIDC-ISSUE-40	Indonesia / Ujung Pandang ACC	Ujung Pandang / Brisbane	2015-12-03	2010-10-10	b. ATM System, or	The system does not rise notification or alert to Controller when the messages sent and not replied by LAM (no ULAM).	Frequent	Medium	Ujung Pandang ACC / THALES Brisbane ACC / THALES	It was a software issue and the software has been upgraded / 21Dec2015	CLOSED

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Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-41	Indonesia / Ujung Pandang ACC	Ujung Pandang / Kota Kinabalu	2015-12-28	2015-12-28	c. AIDC Message, or	Received wrong header of ODF3 from Kinabalu system	Occasionally	High	Ujung Pandang ACC / THALES Kota Kinabalu ACC / LEONARDO	Investigation has been carried out by Ujung Pandang and Kinabalu and the issue has been solved since Kinabalu has completely upgrade their ATM system / 5Sep2019	CLOSED
AIDC-ISSUE-42	Indonesia / Ujung Pandang ACC	Ujung Pandang / Brisbane	2015-08-01	-	d. Airspace Design/Procedures, or	Ujung Pandang sent back some EST from Brisbane with different time of COP	Occasionally	Medium	Ujung Pandang ACC / THALES Brisbane ACC / THALES	It was a software issue and the software has been upgraded. And also there are some modifications in the dataset to solve this problem / 14Dec2015	CLOSED
AIDC-ISSUE-43	Indonesia / Ujung Pandang ACC	Ujung Pandang / Brisbane	2015-09-01	-	a. Communication Link, or	There are some AIDC messages between Ujung Pandang and Brisbane which have transit time more than 180 seconds (3 minutes). The AFTN line between Ujung Pandang and Brisbane is routing via Jakarta.	Occasionally	High	Ujung Pandang ACC / THALES Brisbane ACC / THALES	Since 10 March 2018 direct communication link (AFTN) has been connected. Need to test and trial in exchanging messages / 10Mar2018	CLOSED
AIDC-ISSUE-44	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2016-03-01	-	e. Others.	We received a lot of complains that Chennai controller didn't respond to CDN.	Frequent	Medium	Kuala Lumpur ATCC / SELEX Chennai ACC / RAYTHEON	Continuous Monitoring under new ATM system for LOA and SOP Evaluation - *Updated May 2024*	OPEN
AIDC-ISSUE-45	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2016-03-01	-	c. AIDC Message, or	Received LRM on ABI for Item 18 (LRM-RMK/48/18/)	Frequent	Medium	Kuala Lumpur ATCC / SELEX Chennai ACC / RAYTHEON	SELEX still investigate this problem. The same AFTN message with item 18 received through FDP system but no error detected. Showing that the ABI-AFTN message format is correct but AIDC system unable to process it / 29Jul2016	CLOSED
AIDC-ISSUE-46	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2016-03-01	-	b. ATM System, or	AIDC system send more than three times CDN for time revision.	Frequent	Medium	Kuala Lumpur ATCC / SELEX Chennai ACC / RAYTHEON	This problem happen because we had set our AIDC system that CDN will send automatically if there is a time revision more than 3 minutes. Due to complain from Chennai, we stop the automatic send and instruct our Controllers to send all CDN message, including time revision manually / 29Jul2016	CLOSED
AIDC-ISSUE-47	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2016-03-01	-	c. AIDC Message, or	Did not receive ACP on EST. After 180 seconds system triggered LRM	Frequent	Medium	Kuala Lumpur ATCC / SELEX Chennai ACC / RAYTHEON	This was due to latency of receiving the ACP message. Change the ACP parameter from 180 seconds to 255 seconds / 29Jul2016	CLOSED
AIDC-ISSUE-48	Maldives / Maldives ACC	Maldives / Melbourne	2014-09-17	-	c. AIDC Message, or	Melbourne reported a small number of messages contain a route designator in Field 15 prior to entry COP.	Occasionally	Medium	Maldives ACC / SELEX Melbourne ACC / THALES	Vendor investigated and provided updated software / 22May2015	CLOSED
AIDC-ISSUE-49	Maldives / Maldives ACC	Maldives / Colombo	2014-03-13	-	c. AIDC Message, or	Colombo reported Message ID out to VCCC had wrong ID sent from our system.	Frequent	High	Maldives ACC / SELEX	Configuration corrected / 15Mar2014	CLOSED
AIDC-ISSUE-50	Maldives / Maldives ACC	Maldives / Colombo	2014-04-06	-	b. ATM System, or	When Male sends ABI message within Colombo domestic squawk range, it causes complication in their system.	Frequent	High	Maldives ACC/ SELEX	Colombo changed their domestic SSR code allocation / 16Mar2015	CLOSED
AIDC-ISSUE-51	Maldives / Maldives ACC	Maldives / Melbourne	2014-09-17	-	c. AIDC Message, or	Melbourne reported that Field 15 route information contains seconds in the latitude/longitude information generated from our system.	Occasionally	Medium	Maldives ACC / SELEX Melbourne ACC / THALES	Vendor investigated and provided updated software / 22May2015	CLOSED
AIDC-ISSUE-52	Maldives / Maldives ACC	Maldives / -	2014-11-25	-	c. AIDC Message, or	Reference ID of Optional Data Field 3 (ODF) is incorrect in message received by VOMM.	Frequent	Medium	Maldives ACC / SELEX	Vendor investigated and provided updated software / 22May2015	CLOSED

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Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-53	Maldives / Maldives ACC	Maldives / -	2014-11-25	-	c. AIDC Message, or	Chennai automation system rejected latitude/longitude represented with seconds (041627N0733138E).	Occasionally	Medium	Maldives ACC / SELEX	Vendor investigated and provided updated software / 22May2015	CLOSED
AIDC-ISSUE-54	Maldives / Maldives ACC	Maldives / Colombo	2015-11-19	-	c. AIDC Message, or	Colombo reported LRM received from VRMM saying invalid SSR equipment in FPL.	Occasionally	Medium	Maldives ACC/ SELEX	Configuration changed / 23Feb2016	CLOSED
AIDC-ISSUE-55	Maldives / Maldives ACC	Maldives / Colombo	2015-11-19	-	c. AIDC Message, or	ABI and CPL message in ICAO 2012 FPL format sent from Colombo rejected.	Occasionally	High	Maldives ACC/ SELEX	Software updated / 23Feb2016	CLOSED
AIDC-ISSUE-56	Singapore / Singapore ACC	Singapore / -	2015-11-11	-	c. AIDC Message, or	Rejection of ABI message due to unknown point in route	Occasionally	Low	Singapore ACC/ THALES	Need to update ATMS dataset to include SIDs-STARs that may be filed by operator / 17Nov2015	CLOSED
AIDC-ISSUE-57	Singapore / Singapore ACC	Singapore / -	2015-11-11	-	d. Airspace Design/Procedures, or	Rejected EST message due to invalid flight plan state (coordinated) were queued in erroneous folder.	Occasionally	Low	Singapore ACC/ THALES	Air Traffic Control Support Officer would verify the information on the EST message against the coordinated flight plan. To follow up with the upstream ATSU if any discrepancies were discovered / 12Nov2015	CLOSED
AIDC-ISSUE-58	Singapore / Singapore ACC	Singapore / -	2015-11-11	-	a. Communication Link, or	Message time out parameter set too short whereby ACP messages from downstream ATSU were not processed. More prevailing with network was busy.	Occasionally	High	Singapore ACC/ THALES	Need to update ATMS dataset to increase the timeout parameter / 17Nov2015	CLOSED
AIDC-ISSUE-59	Indonesia / Ujung Pandang ACC	Ujung Pandang / Brisbane	2018-01-11	-	b. ATM System, or	Received abnormal EST message (sent back EST) from Brisbane for southbound traffic that previously Ujung Pandang has already sent the EST	Rare	Low	Ujung Pandang ACC / THALES Brisbane ACC / THALES	Brisbane has been modified dataset parameter / 12May2018	CLOSED
AIDC-ISSUE-60	Indonesia / Ujung Pandang ACC	Ujung Pandang / Brisbane	2018-01-11	-	b. ATM System, or	Received MAC message from Brisbane for flight from YSSY to YMML	Rare	Low	Ujung Pandang ACC / THALES Brisbane ACC / THALES	Brisbane has been modified dataset parameter / 12May2018	CLOSED
AIDC-ISSUE-61	Indonesia / Ujung Pandang ACC	Ujung Pandang / Brisbane	-	-	b. ATM System, or	No response messages LAM or LRM were received (blank) from receiving unit as a reply for previous sent messages.	Frequent	High	Ujung Pandang ACC / THALES Brisbane ACC / THALES	There was a poor (unstable) connection in Jakarta's AMHS in that period occurrence date. Had been solved / 16Nov2019	CLOSED
AIDC-ISSUE-62	Indonesia / Ujung Pandang ACC	Ujung Pandang / -	2017-03-10	-	b. ATM System, or	ACP message does not process correctly. Coordination status field of the strip remains "S" and the ACP message is displayed in "Message_In" window	Frequent	High	Ujung Pandang ACC / THALES	Investigation has been carried out by Ujung Pandang and categorized this problem as software issue / 11Feb2017	OPEN
AIDC-ISSUE-63	Indonesia / Ujung Pandang ACC	Ujung Pandang / Manila	2016-03-10	-	c. AIDC Message, or	AOC message format from Ujung Pandang does not contain ODF 3	Frequent	Medium	Ujung Pandang ACC / THALES Manila ACC / THALES	Since Manila used new ATM System (TopSky-HE) last year there was no AOC issue related to ODF3. Last AIDC test with Manila used TopSky-HE was generally good / 21Mar2018	CLOSED
AIDC-ISSUE-64	Indonesia / Ujung Pandang ACC	Ujung Pandang / Manila	2017-05-17	-	c. AIDC Message, or	ABI message from Manila's Topsky-C contained incomplete route of flight	Frequent	High	Ujung Pandang ACC / THALES	Since Manila used new ATM System (TopSky-HE) last year there was no ABI issue. Last AIDC test with Manila used TopSky-HE was generally good / 21Mar2018	CLOSED
AIDC-ISSUE-65	Indonesia / Ujung Pandang ACC	Ujung Pandang / Manila	2017-05-17	-	b. ATM System, or	Manila's Topsky-C was continuously sending unnecessary ABI and EST messages	Frequent	High	Ujung Pandang ACC / THALES	Since Manila used new ATM System (TopSky-HE) last year there was not current issue anymore. Last AIDC test with Manila used TopSky-HE was generally good / 21Mar2018	CLOSED

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Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-66	India / Trivandrum ACC	Trivandrum / Mangalore	-	-	e. Others.	AIDC coordination not possible for Level changes after the initial coordination. ABI, EST, CPL, TOC and AOC is possible.	Frequent	High	Trivandrum ACC / INDRA	The issues was observed during trial operations. The trials were not successful and hence AIDC is not operation. The issue may be removed from the list.	CLOSED
AIDC-ISSUE-67	India / Trivandrum ACC	Trivandrum / Cochin	-	-	b. ATM System, or	AIDC coordination not possible for level changes after the initial coordination. ABI, EST, CPL, TOC and AOC is possible.	Frequent	High	Trivandrum ACC / INDRA	The issues was observed during trial operations. The trials were not successful and hence AIDC is not operation. The issue may be removed from the list.	CLOSED
AIDC-ISSUE-68	Singapore / Singapore ACC	Singapore / Manila	2018-03-15	2018-03-12	b. ATM System, or	Link to ATMS is disabled after erroeous service message was received from message center	Frequent	Medium	Singapore ACC/ THALES Manila ACC/ THALES	Fault localized to physical link connection problem / 15Mar2019	CLOSED
AIDC-ISSUE-69	Singapore / Singapore ACC	Singapore / Kuala Lumpur	2018-03-15	2018-03-13	b. ATM System, or	Received "LRM with error code" upon transmission of messages	Occasionally	Low	Singapore ACC/ THALES Kuala Lumpur ATCC/ LEONARDO	Observation shared with Kuala Lumpur ACC for investigations / 15Mar2019	CLOSED
AIDC-ISSUE-70	Singapore / Singapore ACC	Singapore / Manila	2018-03-15	2018-03-12	b. ATM System, or	ABI message requirement for subsequent EST message processing	Frequent	High	Singapore ACC/ THALES Manila ACC/ THALES	Observation shared with Manila ACC for investigations / 15Mar2019	CLOSED
AIDC-ISSUE-71	Singapore / Singapore ACC	Singapore / Kuala Lumpur	2019-03-25	2018-12-14	b. ATM System, or	LRM messages recived 2 hours after initial AIDC message transmission	Occasionally	-	Singapore ACC/ THALES Kuala Lumpur ATCC/ LEONARDO	Observation shared with Kuala Lumpur ACC for investigations / 25Mar2019	CLOSED
AIDC-ISSUE-72	Singapore / Singapore ACC	Singapore / Kuala Lumpur	2019-03-25	2019-01-18	e. Others.	Invalid EST sent by ATMS	Rare	-	Singapore ACC/ THALES Kuala Lumpur ATCC/ LEONARDO	Fault traced to incorrect flight plan routing, causing FDP to designated the arrival flight as an re-entry flight / 25Mar2019	CLOSED
AIDC-ISSUE-73	Singapore / Singapore ACC	Singapore / Kuala Lumpur	2019-03-25	2019-01-22	b. ATM System, or	Non reception of EST messages	Occasionally	-	Singapore ACC/ THALES Kuala Lumpur ATCC/ LEONARDO	Investigations ongoing / 25Mar2019	CLOSED
AIDC-ISSUE-74	Singapore / Singapore ACC	Singapore / Kuala Lumpur	2019-03-25	2019-03-06	a. Communication Link, or	Unable to exchange AIDC messages	Occasionally	-	Singapore ACC/ THALES Kuala Lumpur ATCC/ LEONARDO	AFTN link outage / 25Mar2019	CLOSED
AIDC-ISSUE-75	Singapore / Singapore ACC	Singapore / Manila	2019-03-25	2019-02-20	b. ATM System, or	AOC/TOC message tranmission constraint	Frequent	-	Singapore ACC/ THALES Manila ACC/ THALES	Dataset settings on Manila ATMS for AOC/TOC messages / 25Mar2019	CLOSED
AIDC-ISSUE-76	Singapore / Singapore ACC	Singapore / Manila	2019-03-25	2019-03-11	b. ATM System, or	EST and ACP messages exchanged successfully but not reflected on controller display	Rare	High	Singapore ACC/ THALES Manila ACC/ THALES	Manila ATMS vendor has been informed on the observed issue. Investigations ongoing / 25Mar2019	CLOSED
AIDC-ISSUE-77	Indonesia / Ujung Pandang ACC	Ujung Pandang / Oakland	2019-04-10	2018-12-11	b. ATM System, or	REJ message was accepted but unable to display to Controller HMI and become rejected message in Flight Data HMI (filled in AIDC_OTHER_QUE window)	Rare	Medium	Ujung Pandang ACC / THALES	Investigation has been carried out by Ujung Pandang and categorized this problem as software issue / 21Feb2020	OPEN
AIDC-ISSUE-78	India / Chennai ACC	Chennai / Hyderabad Chennai / Bengaluru	-	-	e. Others.	The SSR Codes received through AIDC message are getting retained in Chennai FDPS for days and are not available for re-use. Controller have to use Chennai adapted pool of limited SSR codes for track correlation. As a result, the adapted Chennai pool of SSR codes gets exhausted very soon.	Frequent	High	Chennai ACC / RAYTHEON Bengaluru ACC / SELEX Hyderabad ACC / SELEX	SSR code issue at Chennai resolved 29-03-2019	CLOSED
IDC-ISSUE-79+B85:M8	India / Kolkata ACC	Kolkata / Nagpur, Varanasi, Guwahati, Chennai	-	-	d. Airspace Design/Procedures, or	The route truncation is not supported by INDRA system , hence there is a likelihood of wrong route modification by ABI message in the accepting ATCC.	Frequent	High	Kolkata ACC / INDRA Nagpur ACC / INDRA Varanasi ACC / INDRA Guwahati ACC / INDRA Chennai ACC /	Issue resolved.	CLOSED

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Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-80	Maldives / Maldives ACC	Maldives / Colombo	-	-	b. ATM System, or	Colombo had an issue with their ABI message which was unsuccessful in all 7 AIDC test FPLs. Also their EST showed Error code 62. Rest of the other messages CPL, CDN, TOC, AOC are working perfectly.	Frequent	High	Maldives ACC/ SELEX	Colombo informed that they are consulting with their ATM vendor for the above errors.	OPEN
AIDC-ISSUE-81	India / Kolkata ACC	Kolkata / Yangon	2019-04-10	-	b. ATM System, or	Yangon trials in which ABI (from Kolkata to Yangon only) EST, TOC, AOC were successful. Kolkata system was not sending AIDC reference number in ACP messages for which Yangon system was rejecting it. But Kolkata rectified the issue with the support of vendor and ACP was successful. ABI from Yangon system sends the route from COP instead of one point before COP for which Kolkata system rejects the ABI from Yangon.	Frequent	Medium	Kolkata ACC / INDRA Yangon ACC / THALES	Yangon has been advised to rectify the issue through vendor/1Apr2019. Yangon has rectified the issue in last quarter of 2019. Further tests successful.	CLOSED
AIDC-ISSUE-82	Indonesia / Ujung Pandang ACC	Ujung Pandang / Manila	2020-05-25	2020-04-02	b. ATM System, or	Multiple EST message transmitted from Ujung Pandang to Manila	Occasionally	High	Ujung Pandang ACC / THALES Manila ACC / THALES	Investigation has been carried out by Ujung Pandang. Some modifications in dataset parameter related to message transmition value and condition has been changed / 22Nov2020	CLOSED
AIDC-ISSUE-83	Indonesia / Ujung Pandang ACC	Ujung Pandang / Manila	2020-07-09	2019-11-02	d. Airspace Design/Procedures, or	Ujung Pandang's controller activated flight data record prior to AIDC EST message transmitted by Manila. This occurrence happened due Manila verbally coordinated FL which is not accordance with FLAS (Flight Level Allocation Scheme).	Frequent	High	Ujung Pandang ACC / THALES Manila ACC / THALES	Published temporary SOP for Controller not to manually activate flight data record for which an AIDC EST is expected / 1Dec2019	CLOSED
AIDC-ISSUE-84	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2020-07-07	2020-01-02	c. AIDC Message, or	ACP for Chennai EST & CDN were responded timely but Chennai responded with LRM-RMK/5/3.	Frequent	Medium	Kuala Lumpur ATCC / LEONARDO Chennai ACC / RAYTHEON	No more occurrence, under observation by both ATSUs - *Updated May 2024*	CLOSED
AIDC-ISSUE-85	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2020-07-07	2020-01-02	c. AIDC Message, or	Chennai responded LRM-RMK/57/ (invalid message) for ABI/EST messages though ABI/EST sent were valid. this occurance only for TOC/AOC (2022 update reported)	Frequent	Medium	Kuala Lumpur ATCC / LEONARDO Chennai ACC / RAYTHEON	No more occurrences, under observation by both ATSUs - *Updated May 2024*	CLOSED
AIDC-ISSUE-86	Philippines / Manila ACC	Manila / Kota Kinabalu	2019-10-22	2019-10-22	b. ATM System, or	Manila received multiple ABI of RBA635 and JAL720 during AIDC test with Kinabalu	Rare	Low	Manila ACC/ THALES Kota Kinabalu ACC/ LEONARDO	Migrated new system in March 2022 and testing on going for Kinabalu -Manila AIDC Implementation plan 2024 - *Updated May 2024*	CLOSED
AIDC-ISSUE-87	Singapore / Singapore ACC	Singapore / Kota Kinabalu	2021-02-01	2021-05-28	b. ATM System, or	Multiple FDRs exist, unable to complete AIDC transaction	Occasionally	Medium	Singapore ACC/ THALES Kota Kinabalu ATCC/ LEONARDO	Ensure flightplan records in ATMS is up to date	CLOSED
AIDC-ISSUE-88	Singapore / Singapore ACC	Singapore / Kota Kinabalu	2021-03-01	2021-05-28	b. ATM System, or	Message not compatible with FP state	Occasionally	Medium	Singapore ACC/ THALES Kota Kinabalu ATCC/ LEONARDO	Ensure flightplan state is updated correctly	CLOSED
AIDC-ISSUE-89	Singapore / Singapore ACC	Singapore / Kota Kinabalu	2021-04-01	2021-05-28	b. ATM System, or	ACT entry time outside window	Occasionally	Medium	Singapore ACC/ THALES Kota Kinabalu ATCC/ LEONARDO	ATMS parameter reconfiguration/software change. Software changes were made to better improve the ACT entry time due to previous incorrect processing of EET and erroneous use of ATD to overwrite the first waypoint in the fix list. / May 2022	CLOSED
AIDC-ISSUE-90	Philippines / Manila ACC	Manila / Singapore	2020-01-27	2020-01-27	b. ATM System, or	No AIDC transfer was made due negative FPL (other aircraft)	Occasionally	Medium	Manila ACC/ THALES Singapore ACC/ THALES	Provide appropriate FPL entry	CLOSED
AIDC-ISSUE-91	Philippines / Manila ACC	Manila / Singapore	2020-02-26	2020-02-26	b. ATM System, or	No TOC was received from Singapore ACC for CEB538	Occasionally	Medium	Manila ACC/ THALES Singapore ACC/ THALES	Correcting time discrepancies on system FPL	CLOSED

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AIDC-ISSUE-92	Philippines / Manila ACC	Manila / Singapore	2020-09-21	2020-09-21	b. ATM System, or	No EST message received	Occasionally	Medium	Manila ACC/ THALES Singapore ACC/ THALES	Provide appropriate FPL entry	CLOSED
AIDC-ISSUE-93	Philippines / Manila ACC	Manila / Hong Kong	2020-08-03	2020-08-03	b. ATM System, or	Failed EST for CPA104, CPA198 and CSN306. Voice transfer was made to Hong Kong.	Occasionally	Medium	Manila ACC/ THALES	Correcting time discrepancies on system FPL	CLOSED
AIDC-ISSUE-94	Philippines / Manila ACC	Manila / Hong Kong	2020-09-19	2020-09-19	b. ATM System, or	No AIDC transfer was made due negative FPL (Qatar Airlines)	Frequent	Medium	Manila ACC/ THALES	Corresponded with air operator to supply Manila with FPL	CLOSED
AIDC-ISSUE-95	Philippines / Manila ACC	Manila / Hong Kong	2020-10-13	2020-10-13	b. ATM System, or	Failed EST ACT entry time outside window	Occasionally	Medium	Manila ACC/ THALES	Correcting time discrepancies on system FPL	CLOSED
AIDC-ISSUE-96	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2021-05-28	2021-01-11	b. ATM System, or	Calculated CRC was not tally with received CRC.	Frequent	High	Kuala Lumpur ATCC / LEONARDO Chennai ACC / RAYTHEON	No more occurrence, under observation by both ATSUs. Kuala Lumpur migrated to the new ATM System in September 2021 - *Updated May 2024*	CLOSED
AIDC-ISSUE-97	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2021-05-28	2021-01-13	d. Airspace Design/Pro	Late response by Chennai for CDN messages. Agreed response time by controller is 300 seconds.	Frequent	High	Kuala Lumpur ATCC / LEONARDO Chennai ACC / RAYTHEON	Lumpur will continue to monitor the CDN process and make any required amendments to the LOA and SOP - *Updated May 2024*	OPEN
AIDC-ISSUE-98	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2021-05-28	2021-02-14	b. ATM System, or	Chennai transmit second EST or ACP after a complete process cycle of first EST.	Occasionally	High	Kuala Lumpur ATCC / LEONARDO Chennai ACC / RAYTHEON	No more occurrence/ 2022-05-24	CLOSED
AIDC-ISSUE-99	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2021-05-28	2021-04-06	b. ATM System, or	LRM transmitted in response to AOC received from Chennai.	Occasionally	High	Kuala Lumpur ATCC / LEONARDO Chennai ACC / RAYTHEON	No more occurrences, under observation by both ATSUs. Kuala Lumpur migrated to the new ATM System in September 2021 - *Updated May 2024*	CLOSED
AIDC-ISSUE-100	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Singapore	2021-05-28	2021-01-11	d. Airspace Design/Pro	Singapore transmit TOC/AOC message although TOC/AOC is not included in operational implementation	Occasionally	Low	Kuala Lumpur ATCC / LEONARDO Singapore ACC / THALES	TOC triggered due to unintentional action by users. Operational plan to include AOC/TOC in operational messages exchange pending discussions with Kuala Lumpur. / May 2022	CLOSED
AIDC-ISSUE-101	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Singapore	2021-05-28	2021-04-05	b. ATM System, or	Singapore transmit second EST after a complete process cycle of first EST.	Rare	Medium	Kuala Lumpur ATCC / LEONARDO Singapore ACC / THALES	No more occurrences/ 2022-05-24	CLOSED
AIDC-ISSUE-102	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Bangkok	2021-05-28	2021-01-14	d. Airspace Design/Pro	Bangkok transmit TOC/AOC message although TOC/AOC is not included in operational implementation.	Occasionally	Low	Kuala Lumpur ATCC / LEONARDO Bangkok ACC / THALES	Will be tested and included in next TOC/AOC Trial between Lumpur and Bangkok - *Updated May 2024*	CLOSED
AIDC-ISSUE-103	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Bangkok	2021-05-28	2021-04-06	d. Airspace Design/Pro	Bangkok transmit MAC message although MAC is not included in Operational Implementation.	Rare	Low	Kuala Lumpur ATCC / LEONARDO Bangkok ACC / THALES	No more occurrences - *Updated May 2024*	CLOSED
AIDC-ISSUE-104	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Bangkok	2021-05-28	2021-01-14	b. ATM System, or	Bangkok transmit second EST after a complete process cycle of first EST.	Rare	Medium	Kuala Lumpur ATCC / LEONARDO Bangkok ACC / THALES	No more occurrences - *Updated May 2024*	CLOSED
AIDC-ISSUE-105	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Bangkok	2021-05-28	2021-04-10	d. Airspace Design/Pro	Bangkok transmit EST with incorrect COP due to incorrect FPL route was filed by the airline operator (Not following the Flight Planning)	Occasionally	High	Kuala Lumpur ATCC / LEONARDO Bangkok ACC / THALES	No more occurrences/ 2022-05-24	CLOSED
AIDC-ISSUE-106	India / Chennai ACC	Chennai / Kuala Lumpur	2021-09-01	2021/08/31	c. AIDC Message, or	Chennai system transmits correct AIDC EST messages, but the Kuala Lumpur controller reported that, the received AIDC EST time is incorrect.	Rare	High	Chennai / RAYTHEON Kuala Lumpur ATCC / LEONARDO	The Issue appears to have been resolved at Kuala Lumpur end.	CLOSED

AIDC ISSUES FORM - ATMAS TF/5 (2024)

Issue reference	Reporting State/ATSU	Pairing FIR1/FIR2	Date of Reported	Date of Occurrence	Fault Category	Description of Fault	Frequency	Priority (assessed by TF or RO)	ATSU/ Vendor	Actions Taken/ Updated Date	
AIDC-ISSUE-107	India / Chennai ACC	Chennai / Kuala Lumpur	2021-09-23	2021/09/22	c. AIDC Message, or	Chennai system transmits correct AIDC EST message, but the Kuala Lumpur controller reported that, the received AIDC EST time is incorrect. The issue was earlier reported on 1st Sept 2021.	Rare	High	Chennai / RAYTHEON Kuala Lumpur ATCC / LEONARDO	The Issue appears to have been resolved at Kuala Lumpur end.	CLOSED
AIDC-ISSUE-108	India / Chennai ACC	Chennai / Kuala Lumpur	2021-10-08	2021/10/07	c. AIDC Message, or	Kuala Lumpur system transmits CDN messages even for one minute revision in Estimates also.	Frequent	High	Chennai / RAYTHEON Kuala Lumpur ATCC / LEONARDO	The Issue appears to have been resolved at Kuala Lumpur end.	CLOSED
AIDC-ISSUE-109	India / Chennai ACC	Chennai / Kuala Lumpur	2021-11-30	2021/11/26	c. AIDC Message, or	Chennai system transmits correct AIDC EST message, but the Kuala Lumpur controller reported that, the flight level received in AIDC EST message is incorrect. Similar issues were reported on 1st Sept 2021 and 23rd Sept 2021.	Rare	High	Chennai / RAYTHEON Kuala Lumpur ATCC / LEONARDO	The Issue appears to have been resolved at Kuala Lumpur end.	CLOSED
AIDC-ISSUE-110	Malaysia / Kuala Lumpur ATCC	Kuala Lumpur / Chennai	2022-05-24	2021-01-16	c. AIDC Message, or	Chennai responded LRM-RMK/57/ (invalid message) for TOC message eventhough TOC was sent in valid format timely.	Frequent	Medium	Kuala Lumpur ATCC / LEONARDO Chennai ACC / RAYTHEON	No more occurrence, under observation by both ATSUs. Kuala Lumpur migrated to the new ATM System in September 2021 - *Updated May 2024*	CLOSED
AIDC-ISSUE-111	Malaysia / Kota Kinabalu ATCC	Kota Kinabalu / Singapore	2022-05-24	2021-07-12	b. ATM System, or	Delayed in transmitting auto EST and No ACP received. Occasionally EST was not sent automatically.	Occasionally	High	Kota Kinabalu ATCC / LEONARDO Singapore ACC / THALES	EST is sent automatically under new system development - *Updated May 2024*	CLOSED
AIDC-ISSUE-112	India/ Kolkata	Kolkata / Yangoon	2022-05-27		e. Others.	AIDC testing successfully completed. LOA between India-Mayanmar is required to operationalize AIDC coordination between Kolkata and Yangoon.	Frequent	Medium	Kolkata ACC / INDRA Yangon ACC / THALES	No change in fault status.	OPEN
AIDC-ISSUE-113	India/ Kolkata	Kolkata / Chennai	2022-05-27		c. AIDC Message, or	Kolkata ATS system has no route trucation feeture. It sends full route in ABI and canot process in coming ABI message with route truncation. Because of this issue ABI messages are not exchanged between Kolkata and Chennai.	To be update	Medium	Kolkata ACC / INDRA Chennai ACC / RAYTHEON	Issue resolved.	CLOSED
AIDC-ISSUE-114	India/ Kolkata	Kolkata / Chennai Kolkata / Nagpur	2022-05-27		b. ATM System, or	Airway 'MEPIP' is cordination points with both Nagpur and Chennai at levels F255 to F460. Kolkata ATS system dose not allow to adopt any point as coordination point with multiple ATC centers for same levels.	Frequent	High	Kolkata ACC / INDRA Chennai ACC / RAYTHEON Kolkata ACC / INDRA Nagpur ACC / INDRA	Issue resolved. This is System limitation. Nagpur Automation System (Aircon 2100) has completed its life cycle and AMC is not available with OEM. This issue may be treated as CLOSED./ 16th May 2024.	CLOSED
AIDC-ISSUE-115	India/ Kolkata	Kolkata / Chennai	2022-05-27		b. ATM System, or	Multiple sectors of Chennai required to defined as separate control centers, but only one control center can be adapted for one ATC center having multiple sectors.	Occasionally	Medium	Kolkata ACC / INDRA Chennai ACC / RAYTHEON	No change in fault status.	OPEN
AIDC-ISSUE-116	India/ Kolkata	Kolkata / Chennai	2022-05-27		b. ATM System, or	Different Control center names have been adoted in Chennai ATS system for AIDC and ADS-C/CPDLC, But in Kolkata ATS system there is no feature to adapt separate control name for adjoing control center.	Occasionally	Medium	Kolkata ACC / INDRA Chennai ACC / RAYTHEON	No change in fault status.	OPEN