



International Civil Aviation Organization

MIDANPIRG Communication, Navigation and Surveillance Sub-Group

Thirteenth Meeting (CNS SG/13)
(Jeddah, Saudi Arabia, 20 – 23 October 2024)

Agenda Item 5: CNS Planning and Implementation Framework in the MID Region

OPERATIONAL INPUTS TO AIDC-OLDI APPLICABILITY AREA

(Presented by the Secretariat)

SUMMARY

This paper proposed applicability area regarding implementation of AIDC/OLDI (FF-ICE B/01) in the MID Region based on operational demand.

Action by the meeting is at paragraph 3.

REFERENCE(S)

- ANSIG/3 Meeting (Cairo, Egypt, 2 – 4 July 2018)
- MID Air Navigation Strategy Plan (ICAO MID Doc 002)
- MIDANPIRG/21 & RASG-MID/11 Meeting Report (Abu Dhabi, UAE, 4 – 8 March 2024)
- RANP/NANP TF/1 Meeting (Cairo, Egypt, 19 – 22 February 2024)

1. INTRODUCTION

1.1 The MIDRMA Board/14 meeting noted that most of the LHDs were related to coordination failures between adjacent ACCs. Accordingly, States were encouraged to implement AIDC/OLDI, which would significantly improve the coordination process and would reduce the amount of coordination failures, thus enhancing safety.

1.2 The MIDRMA Board/15 meeting noted with concern the high level of LHDs reports at the interface between Iraq and Kuwait as well as Muscat with Mumbai and Karachi. The meeting noted that a Safety Protocol has been opened for the case of Muscat/Mumbai and that the MIDRMA and ICAO MID Office are in close coordination with concerned States, MAAR and ICAO APAC Office to resolve the issue. The meeting agreed that a Special Coordination Meeting between Iran, India, Oman and Pakistan with the presence of MAAR, MIDRMA and ICAO APAC and MID Regional Offices, to be held, as soon as possible, to agree on clear action plan to mitigate the risk associated with the high level of coordination failures at the interfaces between the above-mentioned States.

1.3 The ATM SG/3 meeting encouraged States to use the guidance provided in the MID Doc 006 available on the ICAO MID Website. The meeting also encouraged States to conduct bilateral AIDC/OLDI Workshops, as per the guidance in MID Doc 006, in order to expedite the implementation, including the signature of revised LoA.

1.4 The ATM SG/4 meeting requested ICAO MID Office to circulate the AIDC/OLDI Questionnaire related to AIDC/OLDI to the ATM points of contact. The meeting also noted that the implementation of AIDC/OLDI would improve significantly the coordination process and would reduce the amount of coordination failures between ACCs, which has been identified as a major long-standing issue by the MIDRMA Board. Consequently, the implementation of AIDC/OLDI would enhance safety and reduce ATC workload. accordingly, the meeting discussed the Secretariat's proposal to mandate the implementation of AIDC/OLDI through the inclusion of the requirement in the MID ANP Volume II Part IV-ATM under Specific Regional Requirements, based on a phased approach taking into consideration the situation in some States (Applicability area should be defined).

1.5 Accordingly, the Third Meeting of the Air Navigation Systems Implementation Group (ANSIG/3) was agreed in applicability area.

1.6 The ATM SG/8 meeting noted the CNS SG/11 meeting (Muscat, Oman, 16-19 May 2022) outcomes related to AIDC/OLDI implementation and urged States to implement AIDC/OLDI as per the applicability area. The meeting also noted that implementation of AIDC/OLDI capability priority 1 is one of the requirements of the MID States in the MID ANP Volume II, therefor the States did not establish AIDC/OLDI connection should be subject to deficiency in MANDD.

1.7 The MIDANPIRG/20 meeting recalled that the MSG/6 meeting agreed, through Conclusion 6/16, to include a requirement for AIDC/OLDI implementation (priority 1 interconnections) in the MID eANP Volume II Part IV-ATM, under Specific Regional Requirements. It was highlighted that the lack of implementation of priority 1 interconnection will result additional ANS deficiency to the MID Air Navigation Deficiency Database (MANDD). Therefore, it was agreed that deficiencies related to the lack of implementation of Priority 1 AIDC/OLDI connections will be added by December 2023.

2. DISCUSSION

2.1 The meeting may wish to note that the RANP/NANP TF/1 meeting underlined the need for the MIDANPIRG Sub-groups to allocate enough time in their agenda for the detailed discussion of the ASBU Threads relevant to their technical areas, including the identification of priorities, definition of applicability areas, indicators, metrics, targets, etc.

2.2 The Secretariat has conducted the necessary review and proposed the following indicators and metrics to determine the applicability area of FF-ICE B0/1 (AIDC/OLDI). Based on this proposal, if any of the adjacent FIRs meet at least one of the following conditions, it must be identified as Priority 1 for implementation of AIDC/OLDI:

- a) if traffic exchange rate between adjacent ACCs has exceeded 30 flights per hour.
Note: In order to measure the traffic exchange rate, MID States are required to provide data to ICAO MID before 15 December 2024 as indicated in **Appendix A**;
or
- b) if two consecutive FIRs implemented longitudinal separation 10 NM or less at common FIR boundary point(s); or
- c) if two adjacent FIRs implemented cross border Free Route Airspace (FRA); or
- d) if the number of LHD recorded by MIDRMA related to adjacent ACCs has exceeded 10 reports per month and it lasts for more than 6 months.

2.3 Based on the above, the meeting is invited to review and agree on the following Draft Conclusion:

DRAFT CONCLUSION 13/X: PROPOSAL FOR AMENDMENT TO THE MID eANP VOLUME II, FF-ICE B0/1 (AIDC/OLDI) APPLICABILITY AREA

That,

- a) the ICAO MID Office based on the condition defined in para 2.2 develop Draft of AIDC/OLDI applicability area Priorities 1 & 2; and*
- b) follow the process of the required Proposal for Amendment (PFA) to revise AIDC/OLDI applicability area priority in ANP Volume II.*

2.4 The meeting may wish to recall that MIDANPIRG/21 meeting agreed to extend the timeline for implementation of AIDC/OLDI Priority 1 in the MID region to the end of December 2026. Accordingly, the list of deficiencies was modified to eliminate the deficiencies associated with the AIDC/OLDI implementation, allowing the States additional time to fulfill this requirement within the applicability area.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and agree on the condition proposed at para 2.2 to identify AIDC/OLDI applicability area priorities;
- b) urge MID States to provide required data as indicated in **Appendix A** by 15 December 2024;
- c) in coordination with the CNS SG, present the draft AIDC/OLDI applicability area based on a) and b) to MIDANPIRG/22 for review and endorsement;
- d) agree on Draft Conclusion in para 2.3; and
- e) encourage the states to take the required actions to establish AIDC/OLDI connection in accordance with MIDANPIRG/21 directive in para 2.4.

UTC	IRQ-TUR	TUR-IRQ	Total	KWT-IRQ	IRQ-KWT	Total	KSA-IRQ	IRQ-KSA	Total	JRD-IRQ	IRQ-JRD	Total	IRQ-IRN	IRN-IRQ	Total	SYR-IRQ	IRQ-SYR	Total
0000-0100	31	7	38	32	4	36	0	0	0	1	0	1	0	0	0	0	0	0
0100-0200	36	8	44	16	8	24	0	0	0	0	0	0	0	0	0	0	0	0
0200-0300	15	2	17	12	12	24	0	0	0	3	0	3	1	1	2	1	0	1
0300-0400	11	5	16	3	2	5	1	0	1	0	1	1	0	2	2	1	1	2
0400-0500	5	4	9	7	1	8	0	0	0	1	0	1	0	5	5	0	1	1
0500-0600	6	2	8	25	2	27	0	1	1	0	4	4	3	1	4	0	0	0
0600-0700	26	1	27	43	2	45	0	0	0	1	0	1	4	1	5	1	0	1
0700-0800	49	2	51	36	4	40	0	0	0	1	3	4	3	3	6	1	1	2
0800-0900	31	2	33	17	6	23	0	1	1	0	1	1	1	2	3	0	0	0
0900-1000	20	2	22	8	4	12	0	2	2	0	0	0	2	0	2	0	1	1
1000-1100	8	6	14	8	3	11	0	0	0	2	0	2	1	0	1	0	1	1
1100-1200	8	17	25	21	5	26	0	0	0	0	0	0	1	1	2	0	1	1
1200-1300	15	18	33	17	19	36	0	0	0	1	0	1	0	1	1	0	3	3
1300-1400	21	25	46	16	18	34	1	0	1	0	0	0	1	1	2	0	1	1
1400-1500	15	12	27	8	27	35	0	0	0	2	1	3	1	1	2	2	1	3
1500-1600	12	5	17	6	14	20	0	1	1	1	1	2	1	0	1	0	0	0
1600-1700	7	14	21	5	3	8	0	0	0	2	1	3	1	1	2	0	3	3
1700-1800	5	22	27	4	13	17	0	0	0	1	1	2	0	3	3	1	1	2
1800-1900	1	17	18	1	23	24	1	0	1	0	0	0	3	2	5	0	1	1
1900-2000	0	11	11	3	18	21	0	1	1	0	1	1	1	1	2	0	1	1
2000-2100	3	11	14	0	13	13	0	0	0	0	0	0	2	2	4	0	0	0
2100-2200	1	9	10	0	9	9	0	0	0	0	0	0	2	0	2	0	1	1
2200-2300	0	7	7	9	5	14	0	1	1	0	0	0	1	0	1	1	0	1
2300-2400	9	6	15	34	9	43	1	0	1	1	0	1	0	0	0	0	0	0
	335	215	550	331	224	555	4	7	11	17	14	31	29	28	57	8	18	26

UTC	IRN-IRQ	IRQ-IRN	Total	IRN-TUR	TUR-IRN	Total	IRN-AZR	AZR-IRN	Total	IRN-ARM	ARM-IRN	Total	IRN-TRM	TRM-IRN	Total	IRN-AFG	AFG-IRN	Total
0000-0100	0	0	0	9	22	31	4	7	11	1	3	4	3	7	10	2	0	2
0100-0200	0	0	0	10	10	20	2	8	10	0	2	2	0	4	4	3	0	3
0200-0300	1	1	2	5	3	8	1	1	2	0	0	0	1	2	3	6	0	6
0300-0400	0	2	2	4	1	5	0	1	1	1	0	1	0	3	3	4	1	5
0400-0500	0	5	5	6	0	6	3	1	4	0	1	1	1	2	3	0	0	0
0500-0600	3	1	4	2	2	4	2	3	5	4	1	5	0	4	4	1	0	1
0600-0700	4	1	5	13	2	15	6	1	7	0	0	0	3	3	6	1	1	2
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0900-1000	2	0	2	3	2	5	0	3	3	1	2	3	1	0	1	0	0	0
1000-1100	1	0	1	2	2	4	1	3	4	1	3	4	3	2	5	2	1	3
1100-1200	1	1	2	0	3	3	3	2	5	1	1	2	6	1	7	0	3	3
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1400-1500	1	1	2	1	6	7	6	3	9	1	1	2	0	1	1	1	1	2
1500-1600	1	0	1	3	15	18	3	2	5	0	0	0	1	2	3	1	2	3
1600-1700	1	1	2	9	6	15	3	4	7	2	0	2	2	1	3	3	1	4
1700-1800	0	3	3	1	9	10	3	5	8	1	1	2	1	4	5	1	1	2
1800-1900	3	2	5	0	8	8	2	2	4	1	0	1	2	3	5	2	0	2
1900-2000	1	1	2	4	4	8	2	1	3	1	4	5	5	0	5	0	0	0
2000-2100	2	2	4	2	4	6	3	2	5	1	2	3	3	1	4	3	0	3
2100-2200	2	0	2	0	10	10	1	1	2	1	0	1	3	0	3	0	0	0
2200-2300	1	0	1	2	8	10	1	1	2	1	0	1	2	0	2	0	0	0
2300-2400	0	0	0	6	16	22	2	5	7	1	1	2	4	2	6	0	0	0
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IRN-PAK	PAK-IRN	Total	IRN-OMN	OMN-IRN	Total	IRN-UAE	UAE-IRN	Total	IRN-QTR	QTR-IRN	Total	IRN-BAH	BAH-IRN	Total	IRN-KWT	KWT-IRN	Total
15	10	25	4	7	11	4	13	17	0	6	6	1	9	10	4	0	4
13	11	24	5	6	11	18	4	22	3	1	4	3	1	4	3	1	4
11	5	16	1	3	4	22	9	31	4	1	5	4	1	5	1	0	1
7	6	13	2	2	4	14	5	19	0	0	0	0	0	0	2	0	2
2	11	13	2	0	2	14	19	33	0	2	2	0	2	2	2	1	3
6	7	13	4	4	8	6	12	18	3	5	8	3	5	8	1	3	4
6	7	13	3	1	4	6	14	20	0	4	4	0	5	5	3	1	4
8	12	20	7	7	14	3	8	11	0	1	1	0	1	1	0	1	1
7	5	12	0	3	3	5	8	13	3	0	3	3	0	3	1	1	2
4	4	8	1	1	2	4	15	19	1	2	3	2	3	5	1	0	1
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1	7	8	0	2	2	4	9	13	2	2	4	3	3	6	0	0	0
9	3	12	0	4	4	3	5	8	2	2	4	2	2	4	1	1	2
0	3	3	1	1	2	8	6	14	2	4	6	2	4	6	1	0	1
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4	3	7	0	1	1	14	7	21	0	2	2	0	2	2	0	1	1
6	2	8	0	4	4	14	4	18	0	3	3	0	4	4	0	1	1
7	6	13	3	3	6	7	7	14	2	5	7	2	6	8	0	1	1
12	4	16	0	6	6	10	15	25	2	1	3	2	1	3	0	3	3
15	4	19	0	15	15	13	9	22	3	3	6	5	3	8	0	0	0
8	6	14	1	3	4	3	7	10	3	1	4	3	1	4	0	2	2
13	7	20	0	7	7	3	5	8	3	0	3	3	1	4	0	1	1
6	8	14	0	6	6	6	6	12	0	1	1	0	1	1	0	1	1
13	6	19	1	8	9	5	18	23	0	9	9	0	9	9	0	1	1
183	147	330	38	99	137	204	220	424	35	58	93	40	68	108	25	24	49