

# Saudi Network Manager

# VISION

To be a **globally best-in-class air traffic services, solutions, and innovative technologies provider.**

# MISSION

Providing **outstanding** Air Navigation services at a **global level** across **mandated and commercial** business, enabled by its recognized **leadership in safety, efficiency, and technology innovation.**



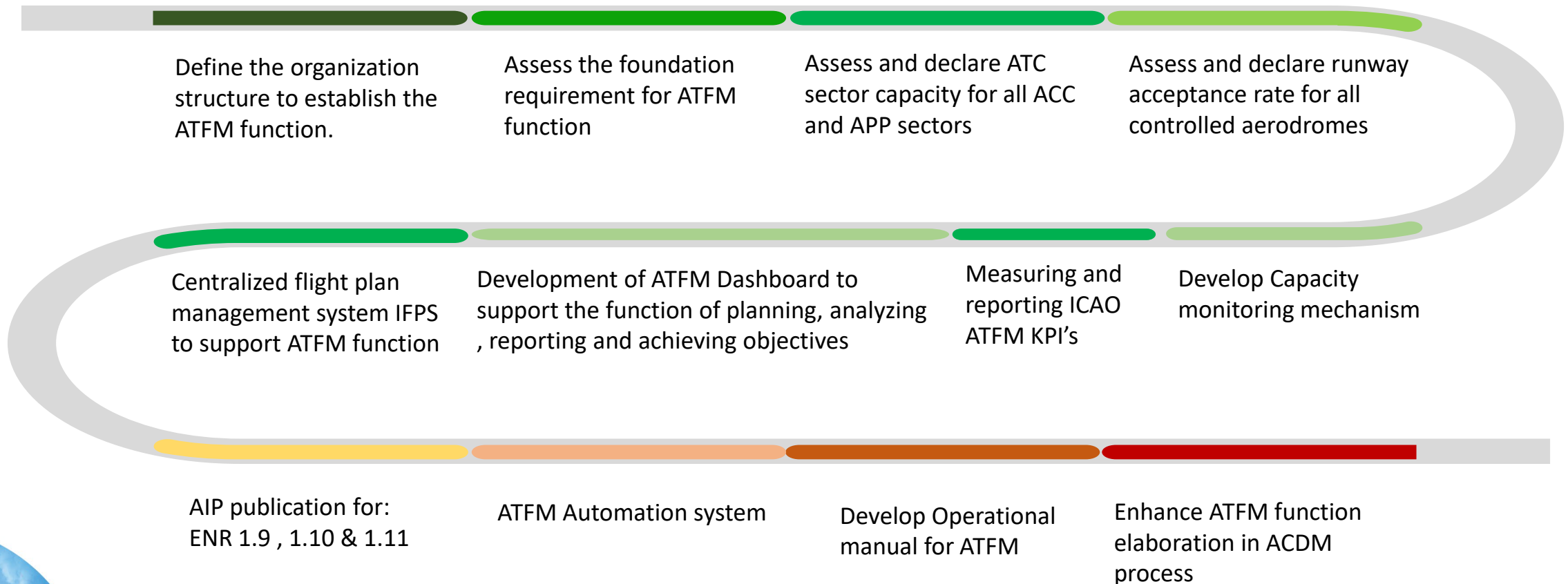


# SANS ON THE MAP OF Saudi Arabia



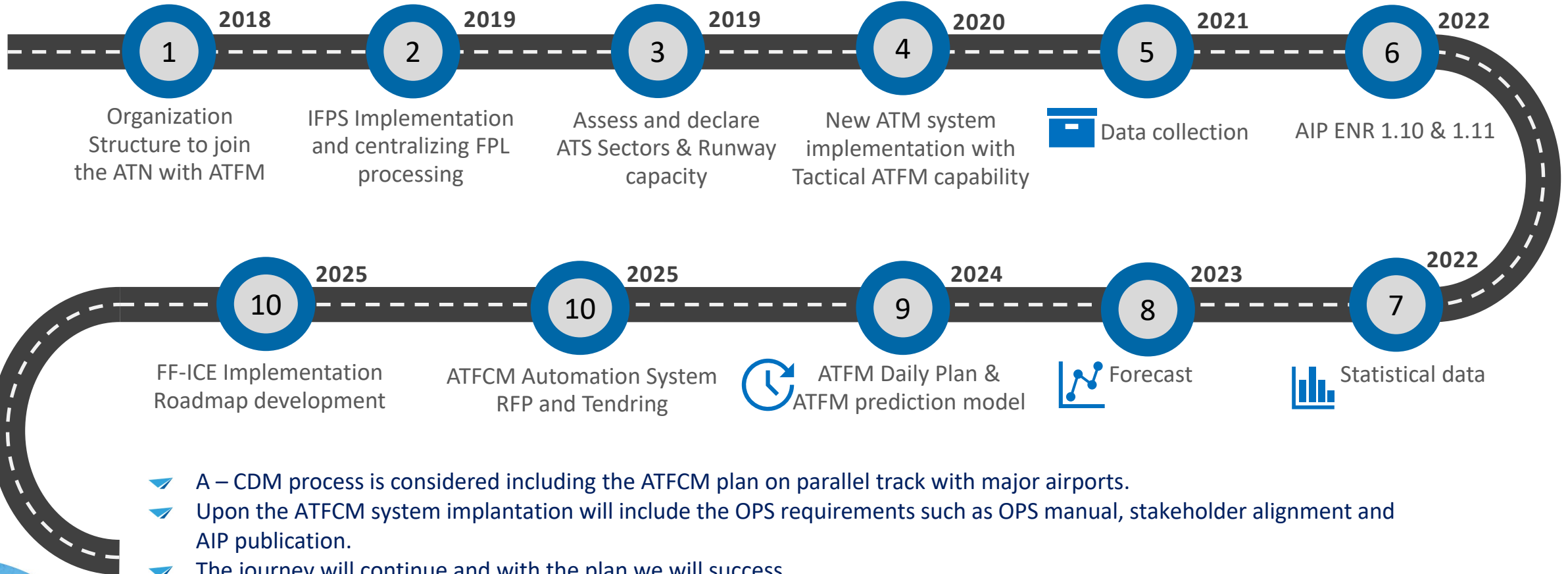
# ATFCM Roadmap

The plan for the ATFCM implantation in SANS started in 2017, drawing the way forward for promising future



# ATFCM Roadmap

START



- A – CDM process is considered including the ATFCM plan on parallel track with major airports.
- Upon the ATFCM system implantation will include the OPS requirements such as OPS manual, stakeholder alignment and AIP publication.
- The journey will continue and with the plan we will success.

# lessons learned and Challenges

## lessons learned

- Training programs.
- Stakeholders' management and alignment.
- Cybersecurity and Data Integrity.

## Challenges

- Workforce.
- Transition and change management program.
- Cybersecurity and Data Integrity.





# Air Traffic Flow & Capacity Management

ATFM Daily Plan (ADP)



BEYOND

# ATFM Daily Plan

The ATFM Daily Plan is a comprehensive schedule that outlines the management and utilization of airspace for a specific day. It is designed to ensure the safe and efficient flow of air traffic within a given region or airspace sector.

This year, we initiated the implementation of the ATFM Daily Plan (ADP) based on historical data, which is currently in its trial phase. We are actively working on improving automation and collaboration with airports and the Meteorological (MET) office. These enhancements aim to enhance the efficiency and effectiveness of the ADP.



# ATFM Daily Plan

## 1. General

In this part, we are showing the general overview of our expected flights for Jeddah FIR in the shown segments.

GENERAL	
Expected Jeddah FIR Movements	
Domestic	838
Int Arrival	615
Int Departure	616
Overflying	691
<b>Total</b>	<b>2,760</b>

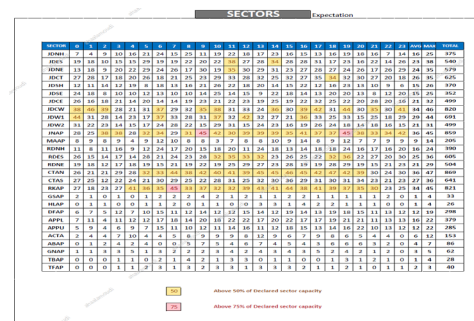
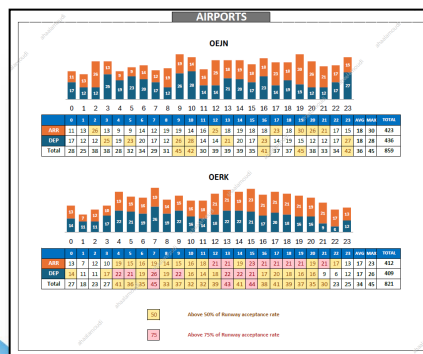
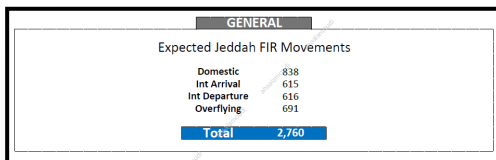
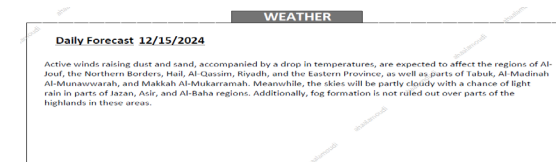


## 3. Airspace

Here we are showing the Total, Average, Max expected flights for the sectors around the kingdom.

Yellow cells indicate the 50% Sector Capacity threshold and Red cells indicate the 75% Sector Capacity threshold.

SECTORS		Expectation	
SECTOR	TIME	EXP	THRESHOLD
01	01-02	10	10
02	02-03	10	10
03	03-04	10	10
04	04-05	10	10
05	05-06	10	10
06	06-07	10	10
07	07-08	10	10
08	08-09	10	10
09	09-10	10	10
10	10-11	10	10
11	11-12	10	10
12	12-13	10	10
13	13-14	10	10
14	14-15	10	10
15	15-16	10	10
16	16-17	10	10
17	17-18	10	10
18	18-19	10	10
19	19-20	10	10
20	20-21	10	10
21	21-22	10	10
22	22-23	10	10
23	23-24	10	10
24	24-25	10	10
25	25-26	10	10
26	26-27	10	10
27	27-28	10	10
28	28-29	10	10
29	29-30	10	10
30	30-31	10	10
31	31-32	10	10
32	32-33	10	10
33	33-34	10	10
34	34-35	10	10
35	35-36	10	10
36	36-37	10	10
37	37-38	10	10
38	38-39	10	10
39	39-40	10	10
40	40-41	10	10
41	41-42	10	10
42	42-43	10	10
43	43-44	10	10
44	44-45	10	10
45	45-46	10	10
46	46-47	10	10
47	47-48	10	10
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49	49-50	10	10
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51	51-52	10	10
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56	56-57	10	10
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61	61-62	10	10
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66	66-67	10	10
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90	90-91	10	10
91	91-92	10	10
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327	327-328	10	10
328	328-329	10	10
329	329-330	10	10
330	330-331	10	10
331	331-332	10	10
332	332-333	10	10
33			

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# ATFM Daily Plan

## 1. General

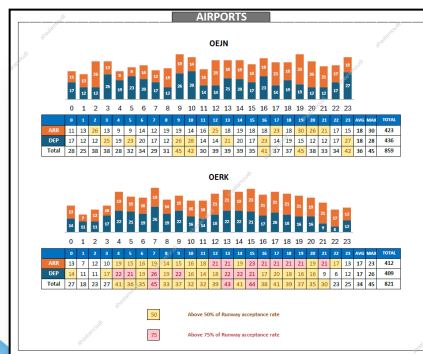
In this part, we are showing the general overview of our expected flights for Jeddah FIR in the shown segments.

GENERAL	
Expected Jeddah FIR Movements	
Domestic	838
Int Arrival	615
Int Departure	616
Overflying	691
<b>Total</b>	<b>2,760</b>

## 2. Airport

Here we are showing the Total, Average, Max expected movement for the top 5 airports.

Yellow cells indicate the 50% RAR threshold and Red cells indicate the 75% RAR threshold.



## 3. Airspace

Here we are showing the Total, Average, Max expected flights for the sectors around the kingdom.

Yellow cells indicate the 50% Sector Capacity threshold and Red cells indicate the 75% Sector Capacity threshold.

SECTORS										Expectation																																																																																											
SECTOR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
010000	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010001	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
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010003	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010004	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010005	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010006	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010007	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010008	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010009	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010010	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
010011	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
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# ATFM Daily Plan

## 1. General

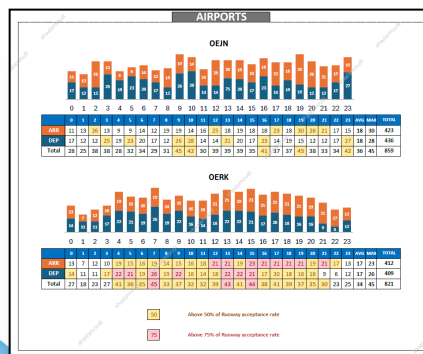
In this part, we are showing the general overview of our expected flights for Jeddah FIR in the shown segments.

GENERAL	
Expected Jeddah FIR Movements	
Domestic	838
Int Arrival	615
Int Departure	616
Overflying	691
<b>Total</b>	<b>2,760</b>

## 2. Airport

Here we are showing the Total, Average, Max expected movement for the top 5 airports.

Yellow cells indicate the 50% RAR threshold and Red cells indicate the 75% RAR threshold.



## 3. Airspace

Here we are showing the Total, Average, Max expected flights for the sectors around the kingdom.

Yellow cells indicate the 50% Sector Capacity threshold and Red cells indicate the 75% Sector Capacity threshold.

SECTORS

Expectation

SECTOR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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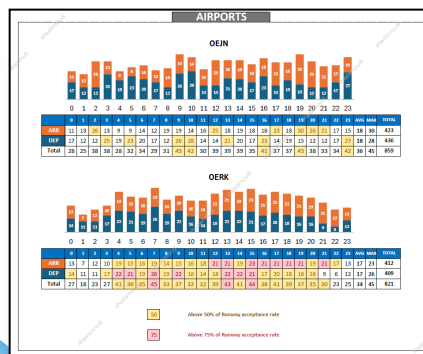
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SECTORS										Expectation																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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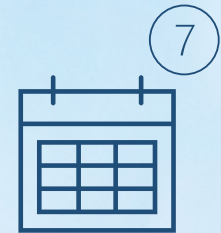


# ATFM Daily Plan

**MANAGING SKIES**  
**SECURING LIVES**

## Enhancements

- A collaborative effort was undertaken with Jeddah and Riyadh airports to attend the daily report sessions and synchronize statistical data as part of the ATFM Daily Plan (ADP) initiative.
- The frequency of the ADP sessions has been extended to operate throughout all seven days of the week, compared to the previous five-day schedule.
- The ADP processes have been standardized and documented in compliance with ISO certification requirements, and the relevant data has been securely uploaded to the internal portal for accessibility and reference. [Click here](#)



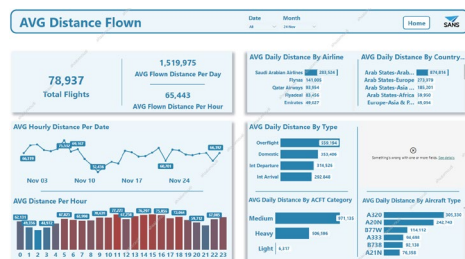
**BEYOND** 

# ATFM Dashboard

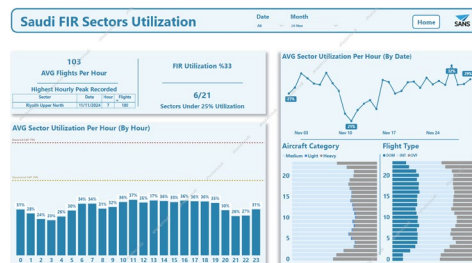
## 1. FIR General Statistics



## 5. AVG Distance Flown



## 2. FIR Utilization



## 3. Sectors Utilization



## 4. Adjacent FIRs Statistics



## 6. AVG Flights Duration



## 7. Hourly Flights by Airport



## 8. Hourly Flights by Sector

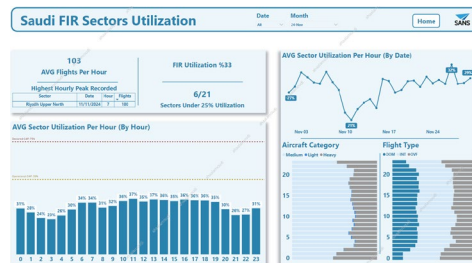


# ATFM Dashboard

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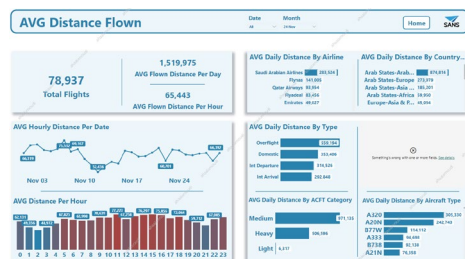
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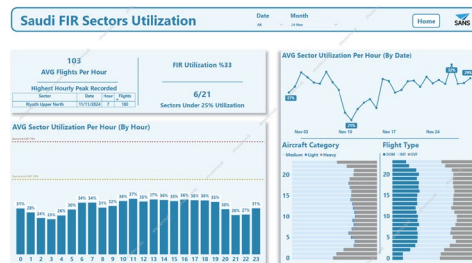


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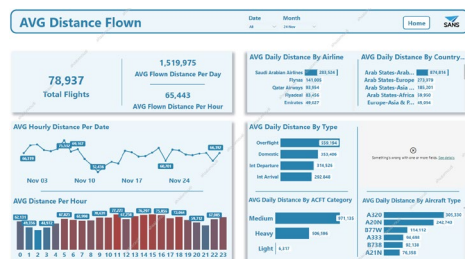
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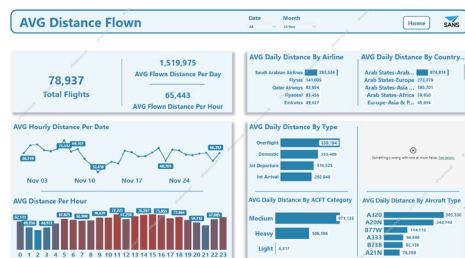
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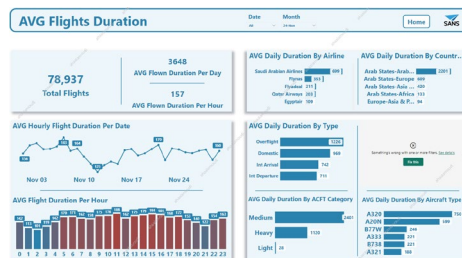
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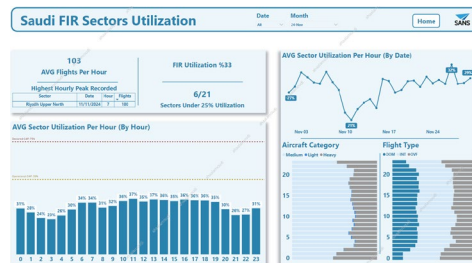


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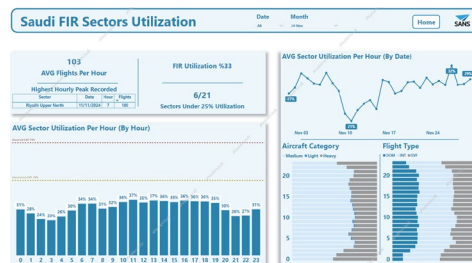


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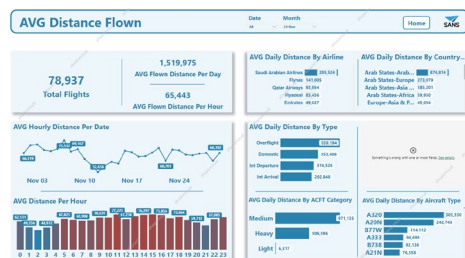
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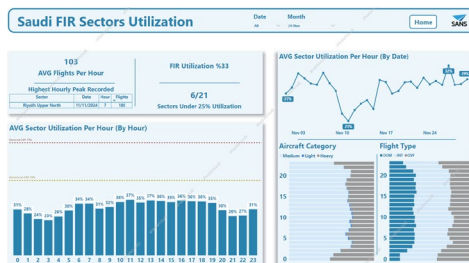


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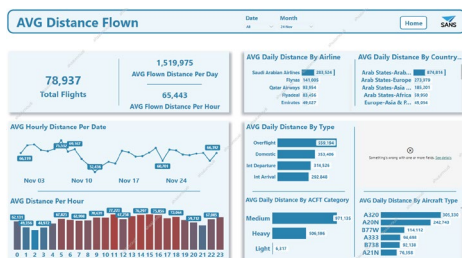
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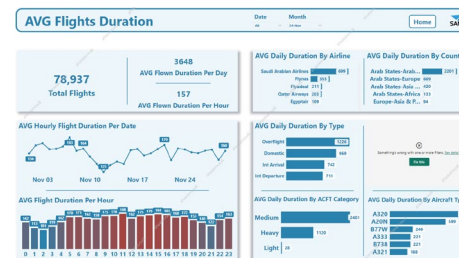
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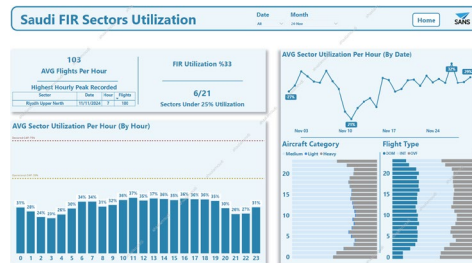


# ATFM Dashboard

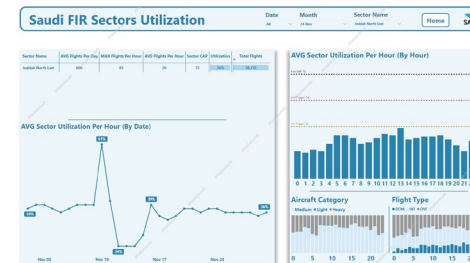
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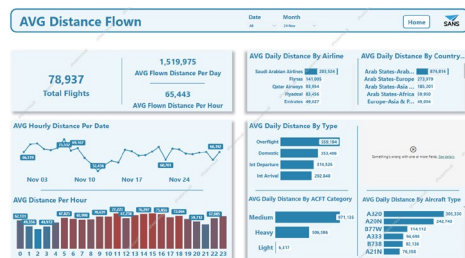
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# Air Traffic Flow & Capacity Management

Operations Daily Briefing (ODB)



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