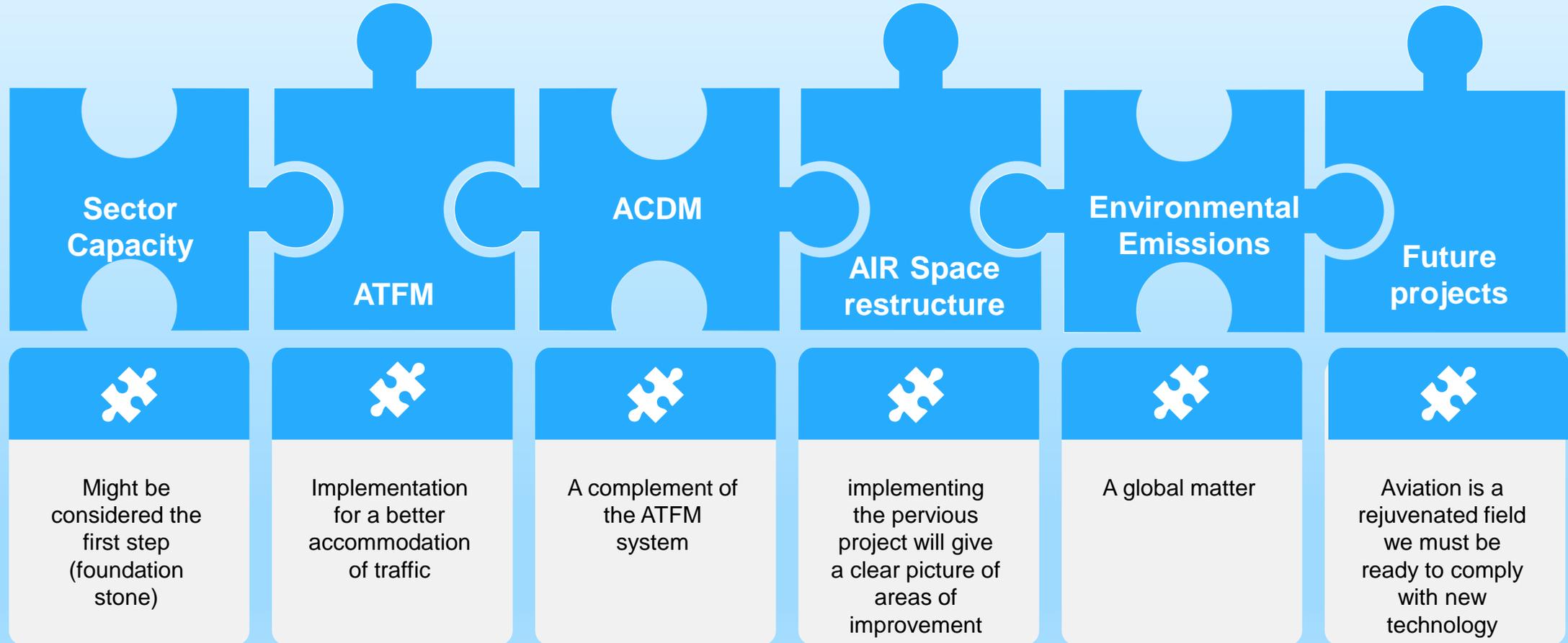


Civil Aviation Authority

Muscat Area Control
Centre ATFM project



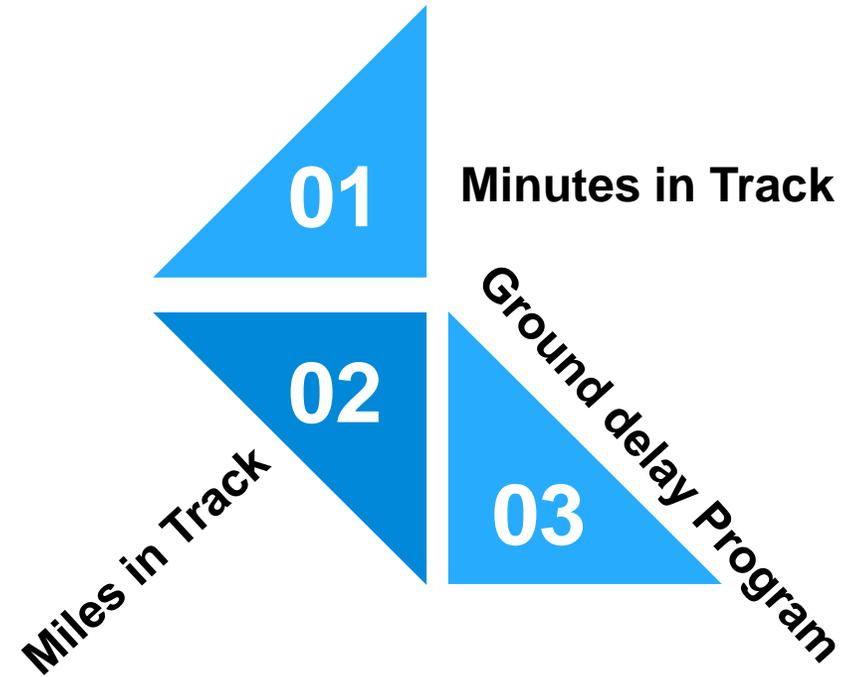
ATS Projects



ATFM

A Balance between demand and capacity with the objective to maintain a safe, orderly and expeditious flow.

ATFM project



Multi Nodal

Challenges

Considerations



Neighbors



**Resources and
time**



**Data
Analysis**



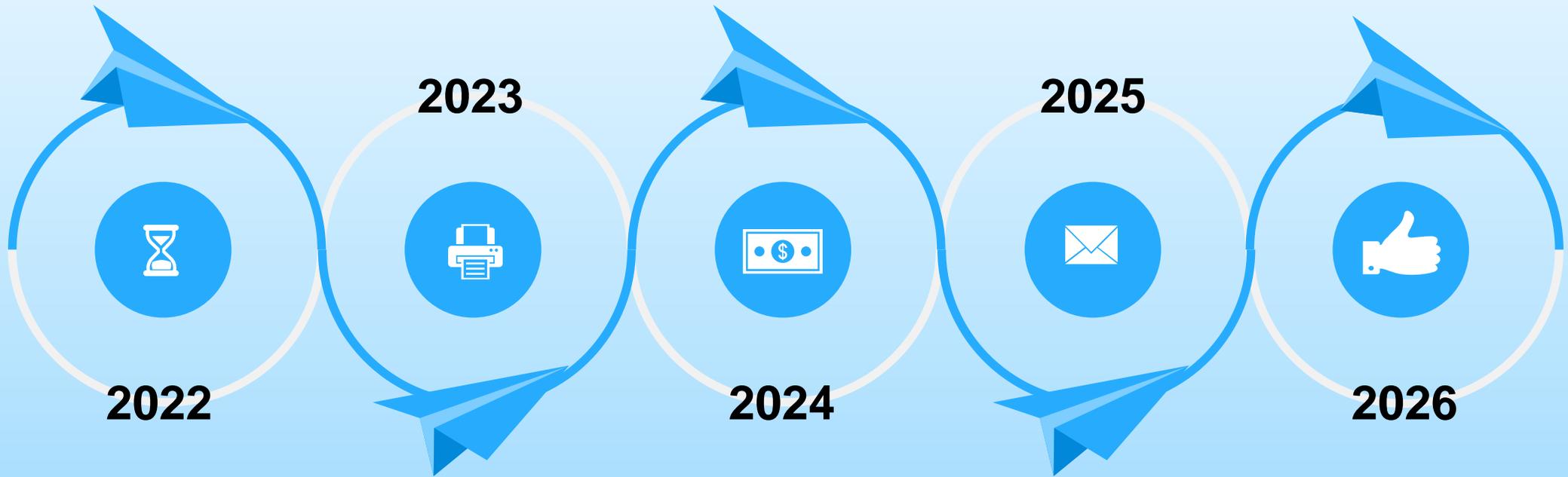
justifications





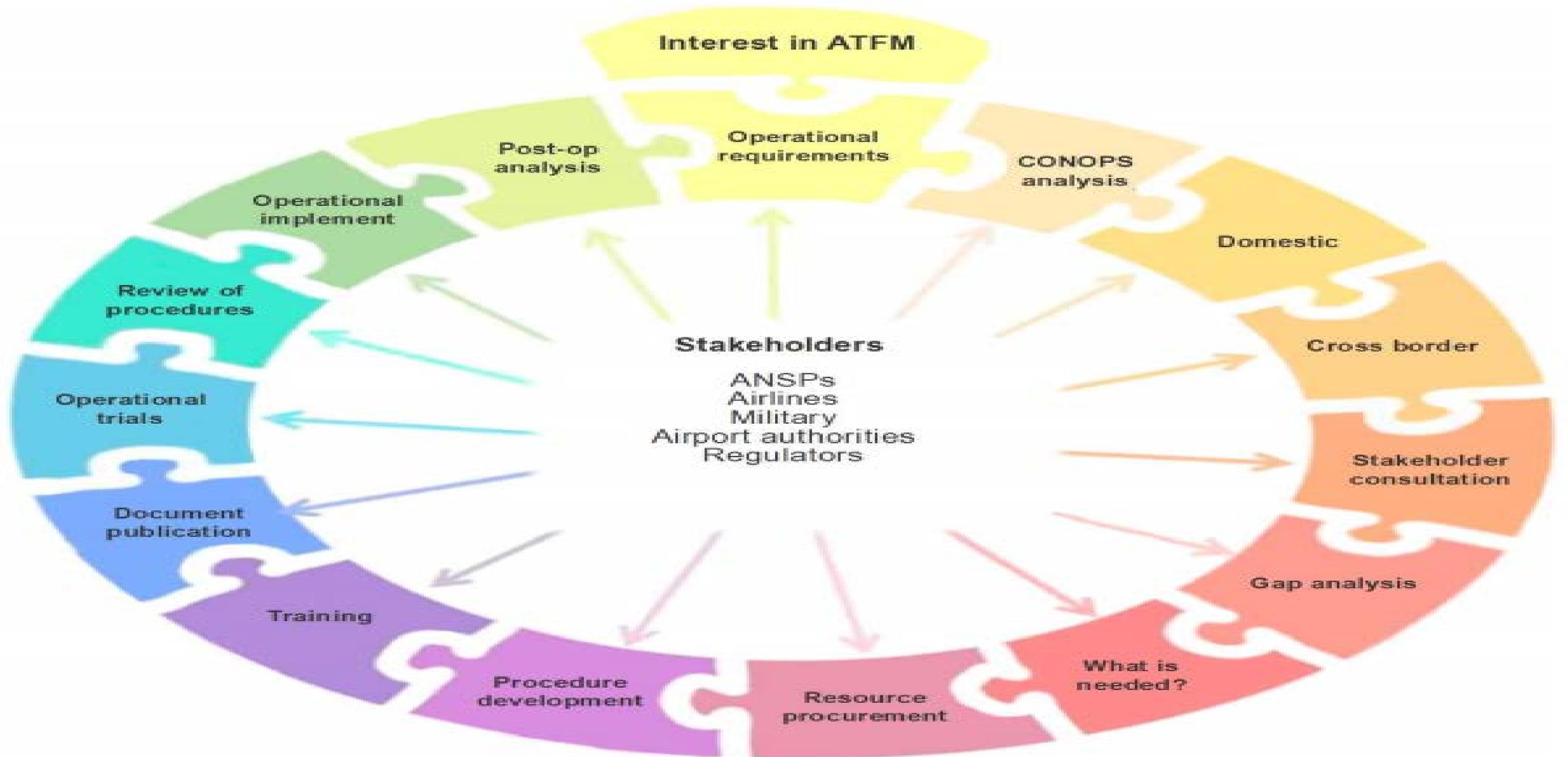
Phase	Start date	End date
<ul style="list-style-type: none"> ICAO document 9971. 	06/02/2022	03/03/2022
<ul style="list-style-type: none"> System capabilities 	13/03/2022	31/03/2022
<ul style="list-style-type: none"> Suggestions of which type: Miles in trail – Minutes in trail - ground delay program (GDP). 	03/04/2022	21/04/2022
<ul style="list-style-type: none"> Quality and safety / DGCAR. 	01/05/2022	12/06/2022
<ul style="list-style-type: none"> Sub group selection. 	01/05/2022	12/05/2022
<ul style="list-style-type: none"> System requirement. 	TBD	TBD
<ul style="list-style-type: none"> Project team training. 	TBD subject to course date	TBD
<ul style="list-style-type: none"> Implementation plan. 	TBD	TBD
<ul style="list-style-type: none"> To start with chose a sector to implement (simulator). 	TBD	TBD
<ul style="list-style-type: none"> Meeting with adjacent FIR's. / stakeholders. 	TBD	TBD
<ul style="list-style-type: none"> When (Time to implement). 	TBD	TBD
<ul style="list-style-type: none"> Final training (staff). 	TBD	TBD

Timeline

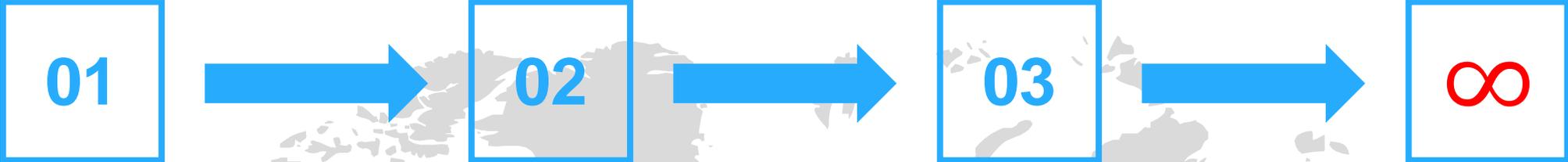


The project is time consuming and might take 3-5 years to be completed as it involves a lot or research trials analyzing and agreement.

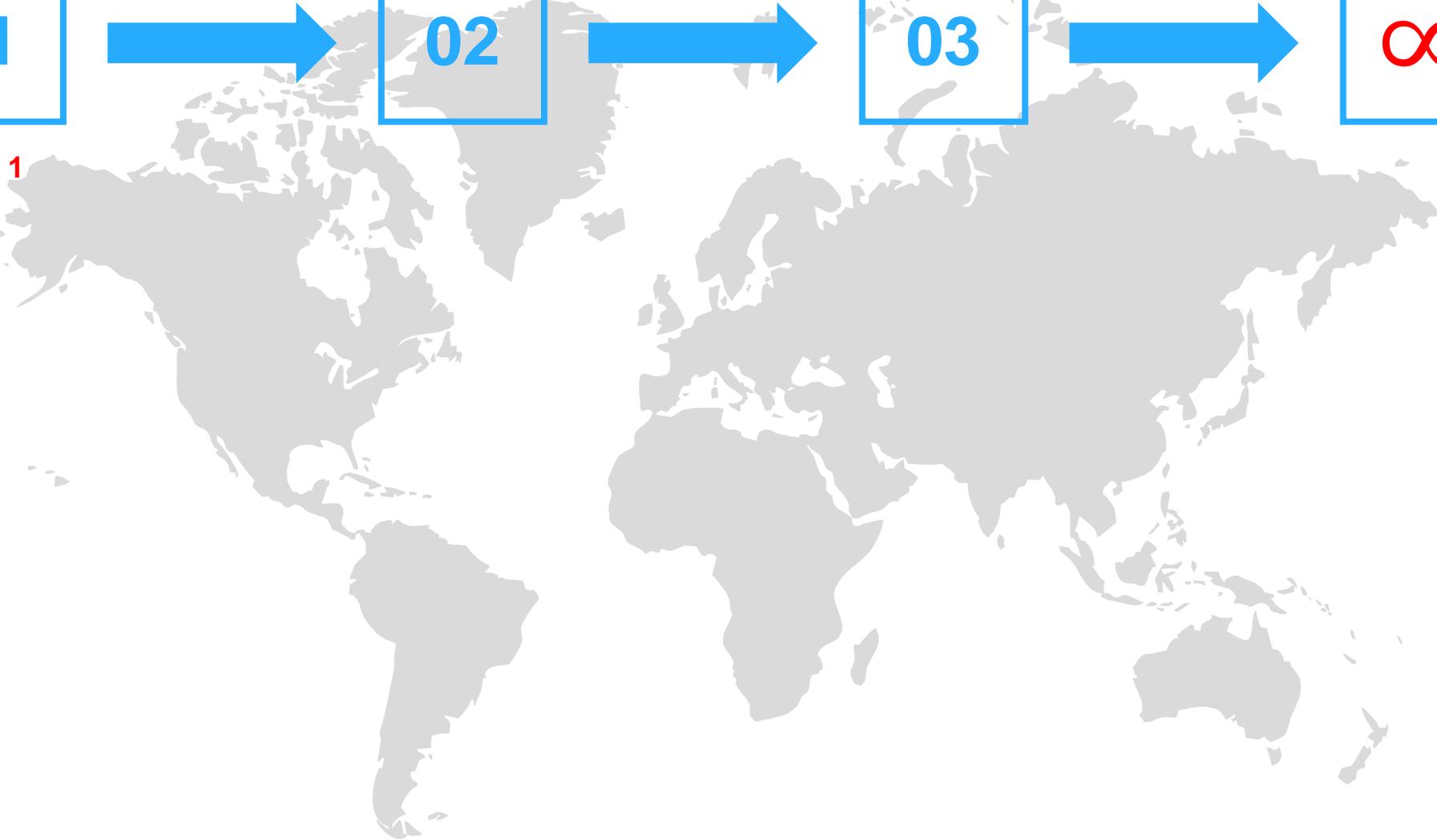
Implementation



Air Traffic Flow Management Plan



Phase 1



Checklist for ATFM service implementation assessment and monitoring, Phase IA

State Oman

Item	Phase	Task	Subtask / parameters should be considered	Target date / intervals	Applicable area	Status / reference
1	IA	ATFM Regulations and national guidance material		December 2023	States where traffic demand at times exceeds or is expected to exceed declared capacity.	
2		Strategic Capacity and Demand Monitoring and Analysis: A regular program of strategic capacity and demand analysis	Human resources: Structure, Job description and Training programme	Programme of bi-annual analysis or on ad-hoc basis	Should be implemented for all international airports and associated terminal area airspace, and for all en-route ATC sectors. Where strategic analysis indicates that demand does not yet exceed capacity, preparation for the implementation of ATFM capability should be based on careful analysis of current traffic and expected growth in the next 5 years	
			Historical traffic data analysis and traffic growth forecasts			
			Seasonal flight schedules			
			Compliance with other ATC Units, which may be implementing ATFM measures			
			ATC procedures related to ATFM including LoAs			
			ATFM systems/tools (Daily traffic demand analysis)			
3		Methodology for Capacity calculation and declaration	Capacity Calculation	Based on item 2	Should be implemented for all international airports and associated terminal area airspace, and for all en-route ATC sectors. Where strategic analysis indicates that demand does exceed potentially will exceed the capacity, preparation for the implementation of ATFM capability should be based on careful analysis of current traffic and expected growth in the next 5 years	
			Policy for identifying the need for tactical ATFM measures (ATFM CONOPS)			
4		Pre-Tactical Capacity and Demand Monitoring and Analysis	Expected runway and airspace configurations	Low pre-tactical airport and airspace capacity and demand analysis	all ATFM Program Airports and associated terminal area airspace, and for all en-route ATC sectors	
	Forecast meteorological phenomena					

			ATC resources, facilities and equipment			
			Other known or expected capacity constraints (including Military, special movements...)			
			updated flight schedule and flight plan information			
5	Pre-Tactical ATFM Execution		Operational data exchange (Daily Teleconferences between ACCs)		Daily basis	ATFM Daily Plan (ADP) for all ATFM Program Airports and associated terminal area airspace, including airport and airspace capacity declarations and related background information including relevant AIP/NOTAM publication should be prepared and distributed to all relevant stakeholders.
			Web-based / Email distribution of data			
6		Post-Operations Analysis, where required			Daily basis	The accuracy and effectiveness of capacity and demand analyses and ADP preparation and distribution, including supporting information should be verified through comparison with operational outcomes observed, and rectification of discrepancies included in planning for system and process improvements.



THANK YOU

