



Module 5

Selection of indicators for performance measurement of CAR Region Air Navigation Services

Eddian Méndez

*ATM/SAR Regional Officer
ICAO NACC Regional Office*



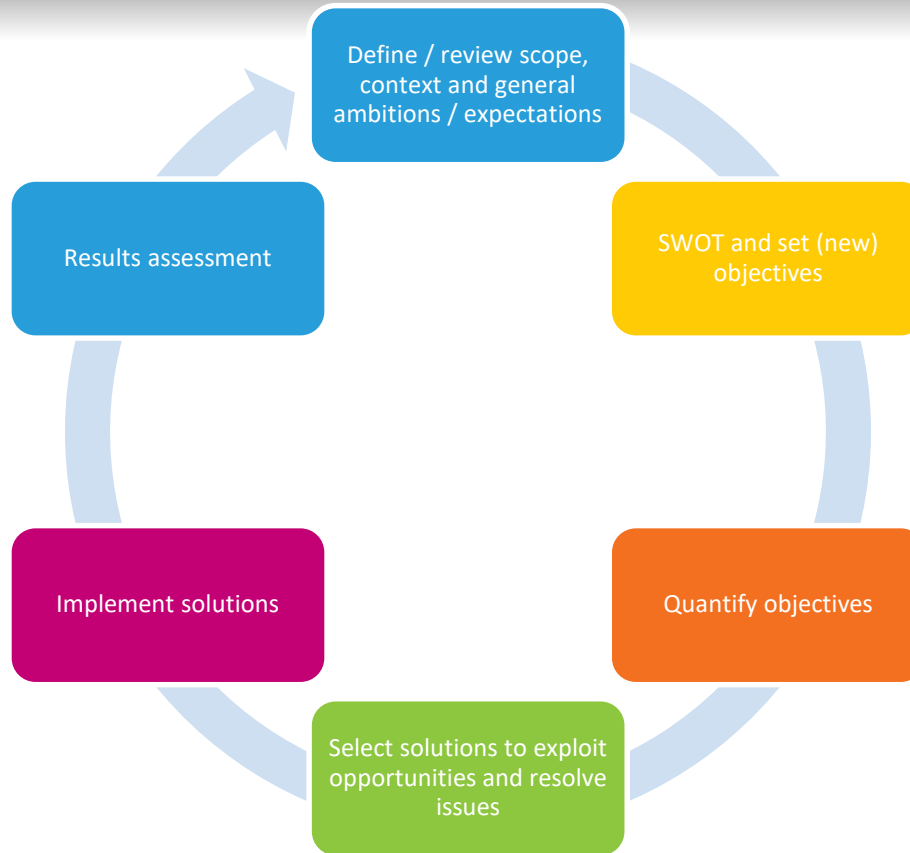
CAR Virtual workshop for the preparation of the CAR/SAM/ANP-VOL III
Online from 14 to 18 February 2022



Objective

- ✈ Select the key performance indicators (KPI) from the GANP sixth edition catalogue to be incorporated in the CAR/SAM ANP Volume III.
- ✈ Agree, preliminarily, the input from the CAR Region for the content in the tables of the CAR/SAM ANP Volume III.







Performance Based Approach: Step by Step

- ✈ Step 2: Identify opportunities, issues and set (new) objectives
 - ✈ Step 2.1: Develop a list of present and future opportunities and issues that require performance management attention
 - ✈ Step 2.2: Focus efforts by defining and prioritizing performance objectives as needed

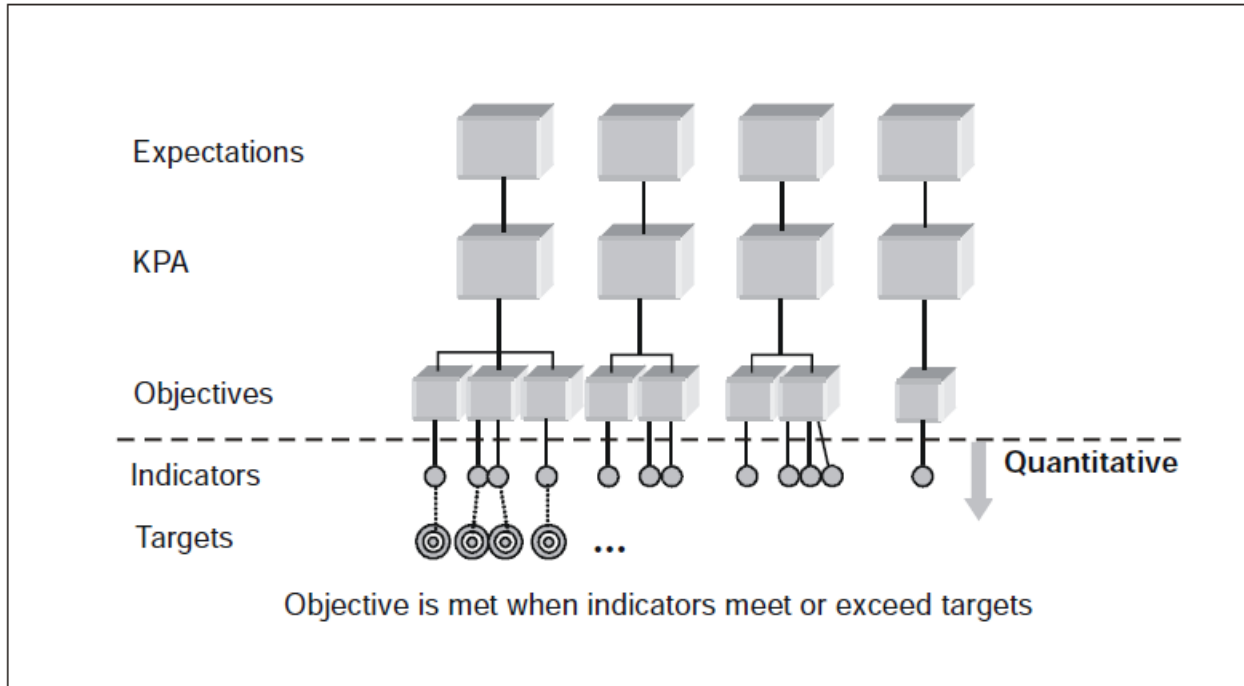


Figure II-2-1. Mapping of ATM community expectations to performance targets



Catalogue of Performance Objectives

- ✈ Efficiency
- ✈ Capacity
- ✈ Predictability
- ✈ Safety
- ✈ Security
- ✈ Environment
- ✈ Cost-effectiveness
- ✈ Global interoperability
- ✈ Access and equity
- ✈ Participation by the ATM community
- ✈ Flexibility



Summary of KPIs

- ✈ KPI 01 Departure punctuality
- ✈ KPI 02 Taxi-out additional time
- ✈ KPI 03 ATFM slot adherence
- ✈ KPI 04 Filed flight plan en-route extension
- ✈ KPI 05 Actual en-route extension



Summary of KPIs

- ✈ KPI 06 En-route airspace capacity
- ✈ KPI 07 En-route ATFM delay
- ✈ KPI 08 Additional time in terminal airspace
- ✈ KPI 09 Airport peak capacity
- ✈ KPI 10 Airport peak throughput



Summary of KPIs

- ✈️ KPI 11 Airport throughput efficiency
- ✈️ KPI 12 Airport/Terminal ATFM delay
- ✈️ KPI 13 Taxi-in additional time
- ✈️ KPI 14 Arrival punctuality
- ✈️ KPI 15 Flight time variability



Summary of KPIs

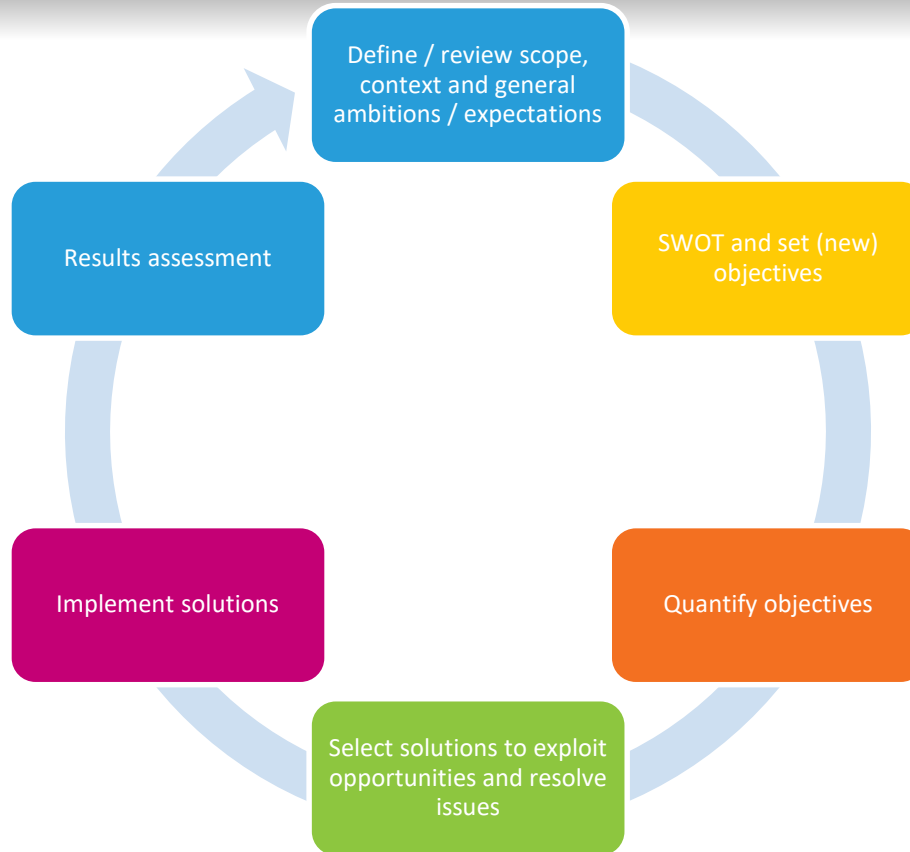
- ✈ KPI 16 Additional fuel burn
- ✈ KPI 17 Level-off during climb
- ✈ KPI 18 Level capping during cruise
- ✈ KPI 19 Level-off during descent



Performance Based Approach: Step by Step

✈ Step 3: Quantify objectives

- ✈ Step 3.1: Define how progress in achieving performance objectives will be measured and which data are required to do so
- ✈ Step 3.2: Define the desired speed of progress in terms of baseline and target performance





Questions?



Answers





ICAO CAPACITY & EFFICIENCY



GRACIAS