

2015 Global Manufacturing Meeting

Special Arrangement & Management Plan

Presented to: Meeting Participants

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**Federal Aviation
Administration**





Global Manufacturing

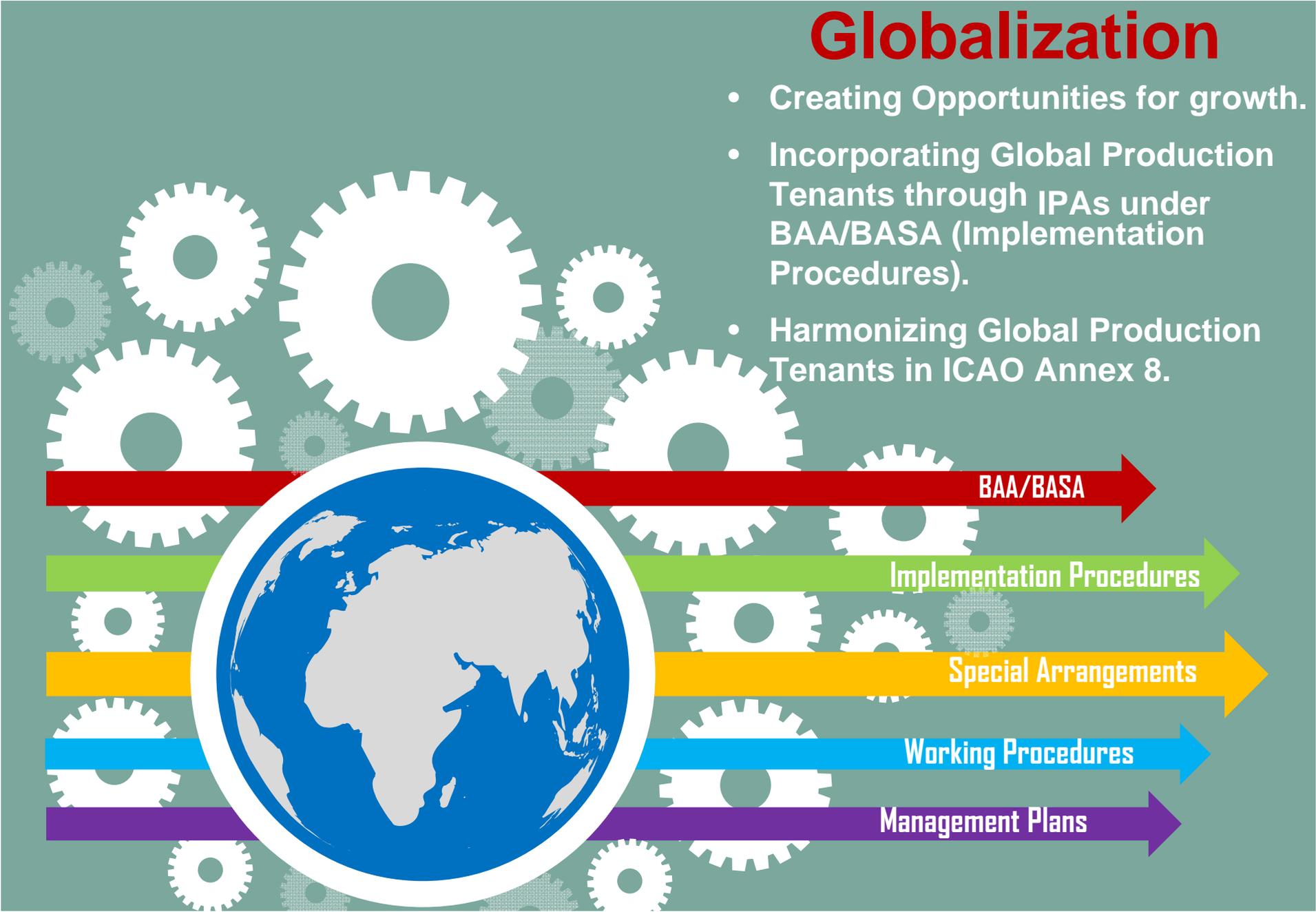
and

Framework Documents

Growth and Framework Documents

Globalization

- Creating Opportunities for growth.
- Incorporating Global Production Tenants through IPAs under BAA/BASA (Implementation Procedures).
- Harmonizing Global Production Tenants in ICAO Annex 8.



BAA/BASA

Implementation Procedures

Special Arrangements

Working Procedures

Management Plans

Global Aviation Environment

ICAO Annex 8 – Definitions

State of Design

The State having jurisdiction over the organization responsible for the type design.



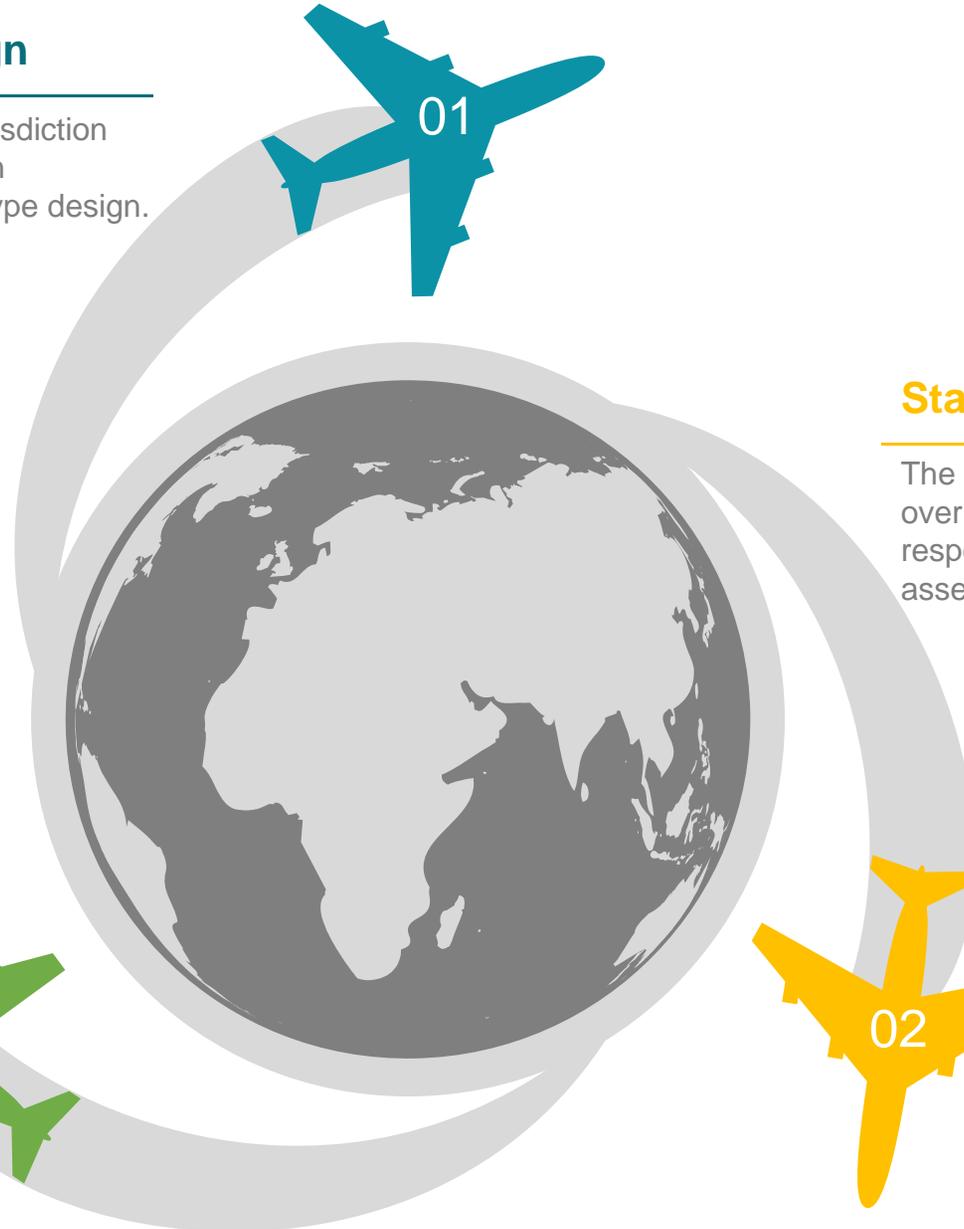
State of Manufacture

The State having jurisdiction over the organization responsible for the final assembly of the aircraft.



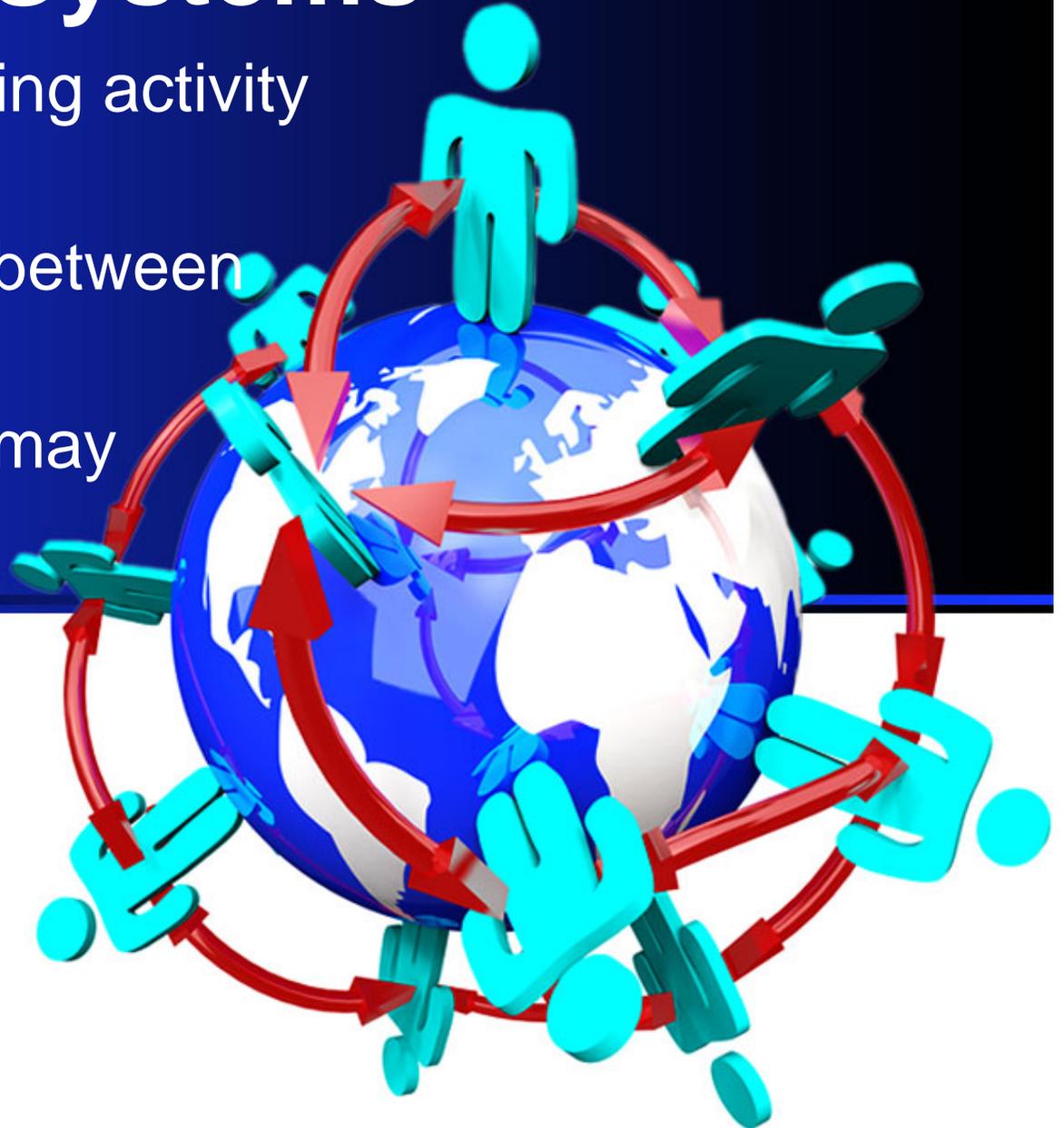
State of Registry

The State on whose register the aircraft is entered.



Certification Systems

- continuous overlapping activity and interaction.
- split responsibilities between multiple States
- situations which we may not be expecting



Framework Documents – The Vehicles of Assistance and Acceptance

Implementation Procedures for Airworthiness IPA

- Our IPA language was designed for the old business model where SoD/SoM are the same
- IPA language speaks to “manufacture” with the expectation that SoD and SoM are the same



Special Arrangements SA

- Rely on our bilateral partners by conveying our oversight functions to them through Special Arrangements
- Special Arrangement – A high level document between the two agencies to:
- Identify roles and responsibilities
- High level acceptance of resource commitment
- Provide accountability to our legal mandates
- Management Plans
- Working level agreement within scope of SA
- Certificate management office’s tool to manage its certificate with resource support from partner authority

Global Manufacturing Supply Chain & Revenue Sharing

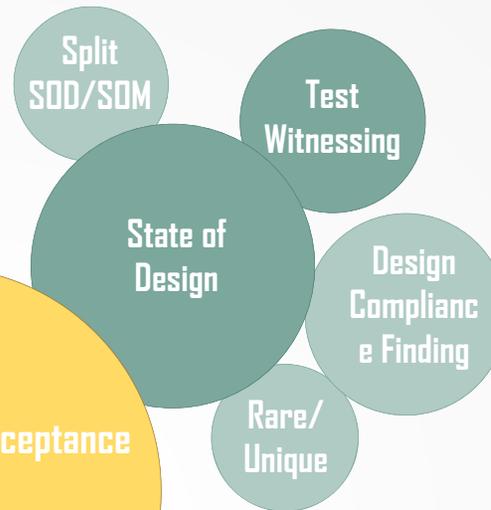
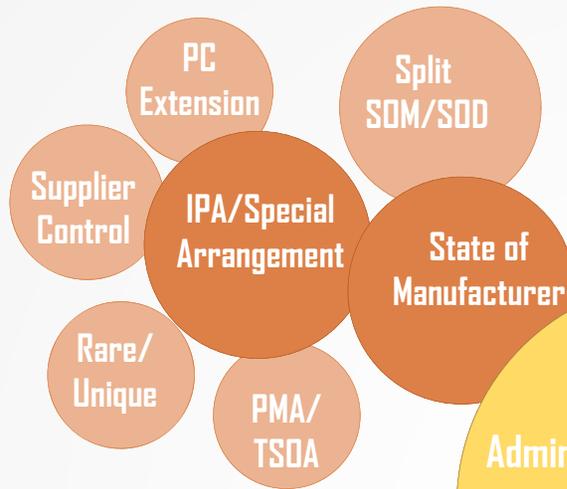
Production Certificates and Evolving Business Models



SOD / DOM / SOR Assistance & Acceptance Opportunity

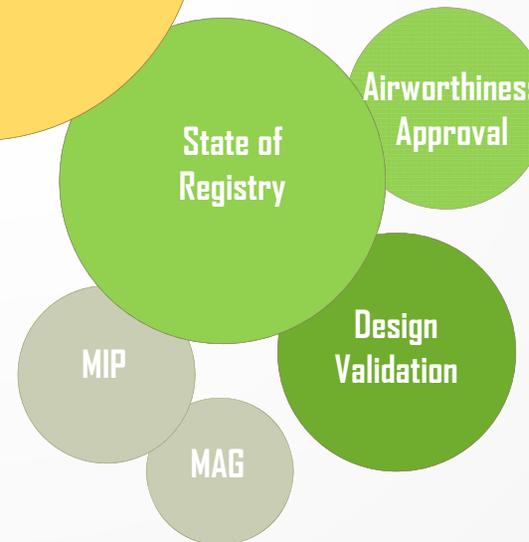
Production Approval

a document issued by the FAA to a person that allows the production of a product or article in accordance with its approved design and approved quality system, and can take the form of a production certificate, a PMA, or a TSO authorization..



Design Approval

a type certificate (including amended and supplemental type certificates) or the approved design under a PMA, TSO authorization, letter of TSO design approval, or other approved design



Design Validation

Airworthiness Approval

a document issued by the FAA for an aircraft, aircraft engine, propeller, or article which certifies that the aircraft, aircraft engine, propeller, or article conforms to its approved design and is in a condition for safe operation

Leveraging Partnerships through...

Implement Procedures (IPA) when...

- activities are Within the Scope of the existing Bilateral Agreement and are addressed explicitly in the Implementation Procedures.

Special Arrangements (SA) when...

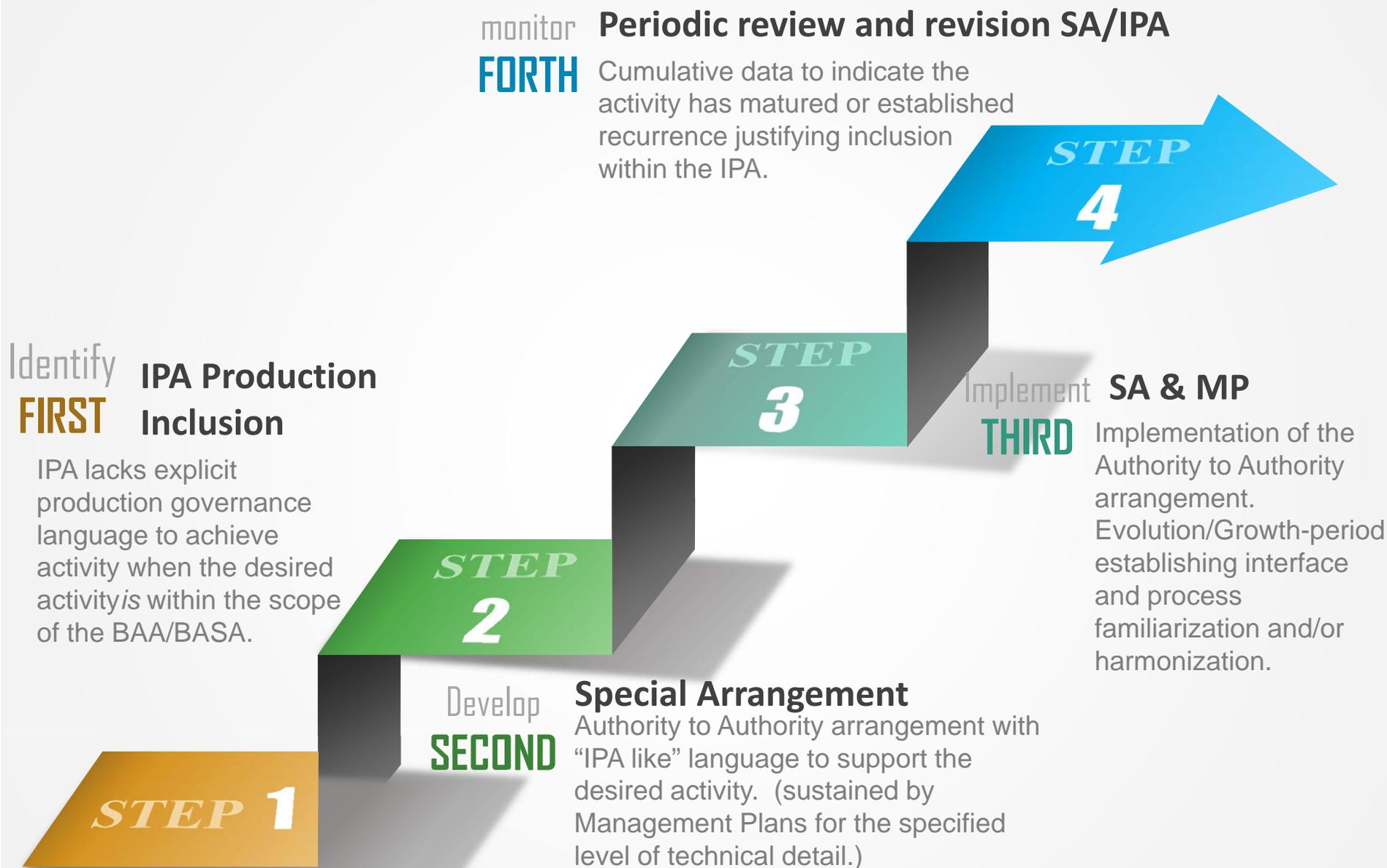
- activities are Within the Scope of the existing Bilateral Agreement but are NOT addressed explicitly in the Implementation Procedures.



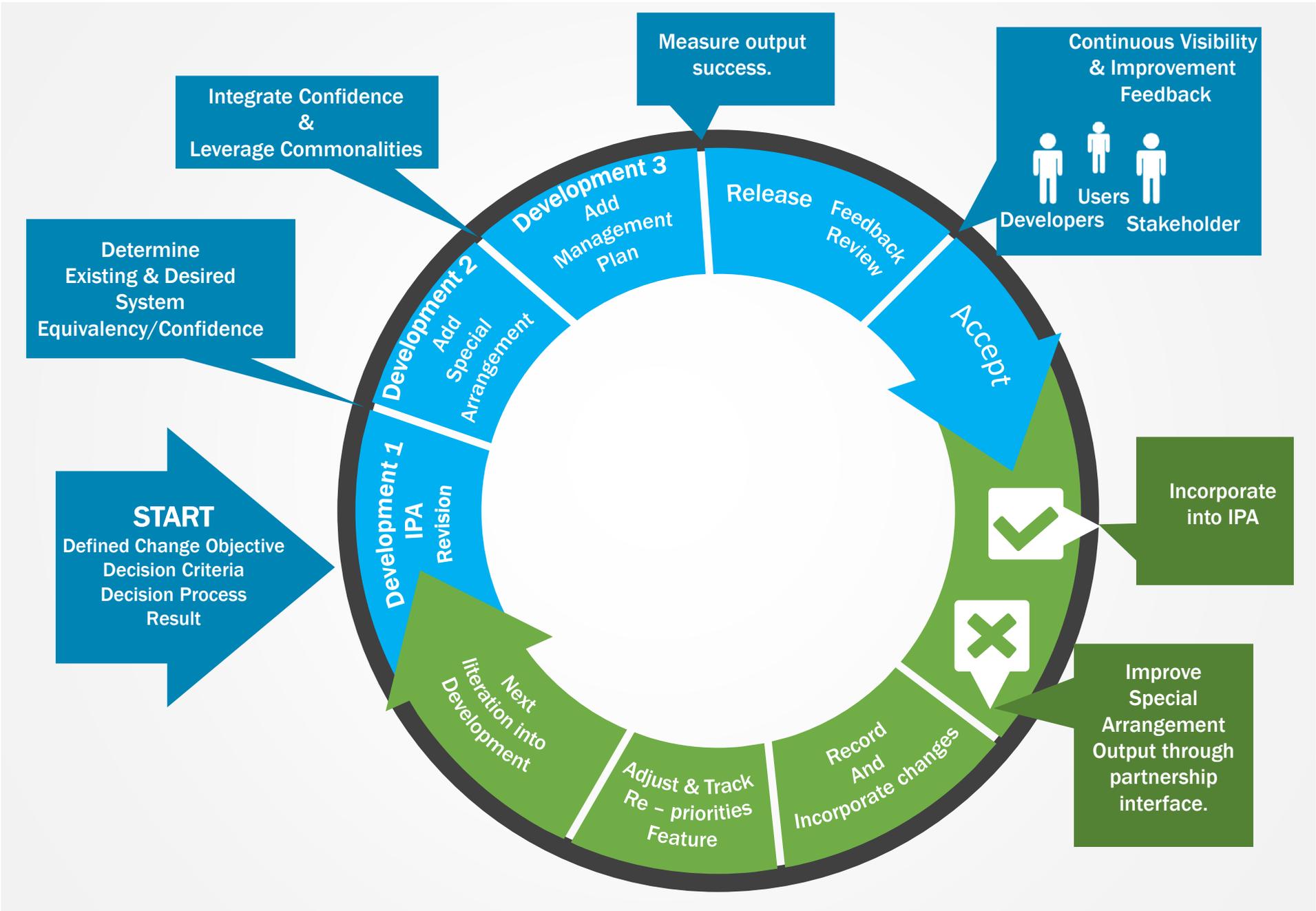
Management Plans...

- are used to carry out a specified level of technical detail derived from an activity of an IPA or SA.
- are mutually agreed upon by the FAA and a CAA or AA and require signature as specified in the applicable IP or SA document which enables the activity.

Phased Partnership Framework Document Growth



Agile Framework Document Evolution I



Relationship Performance Output

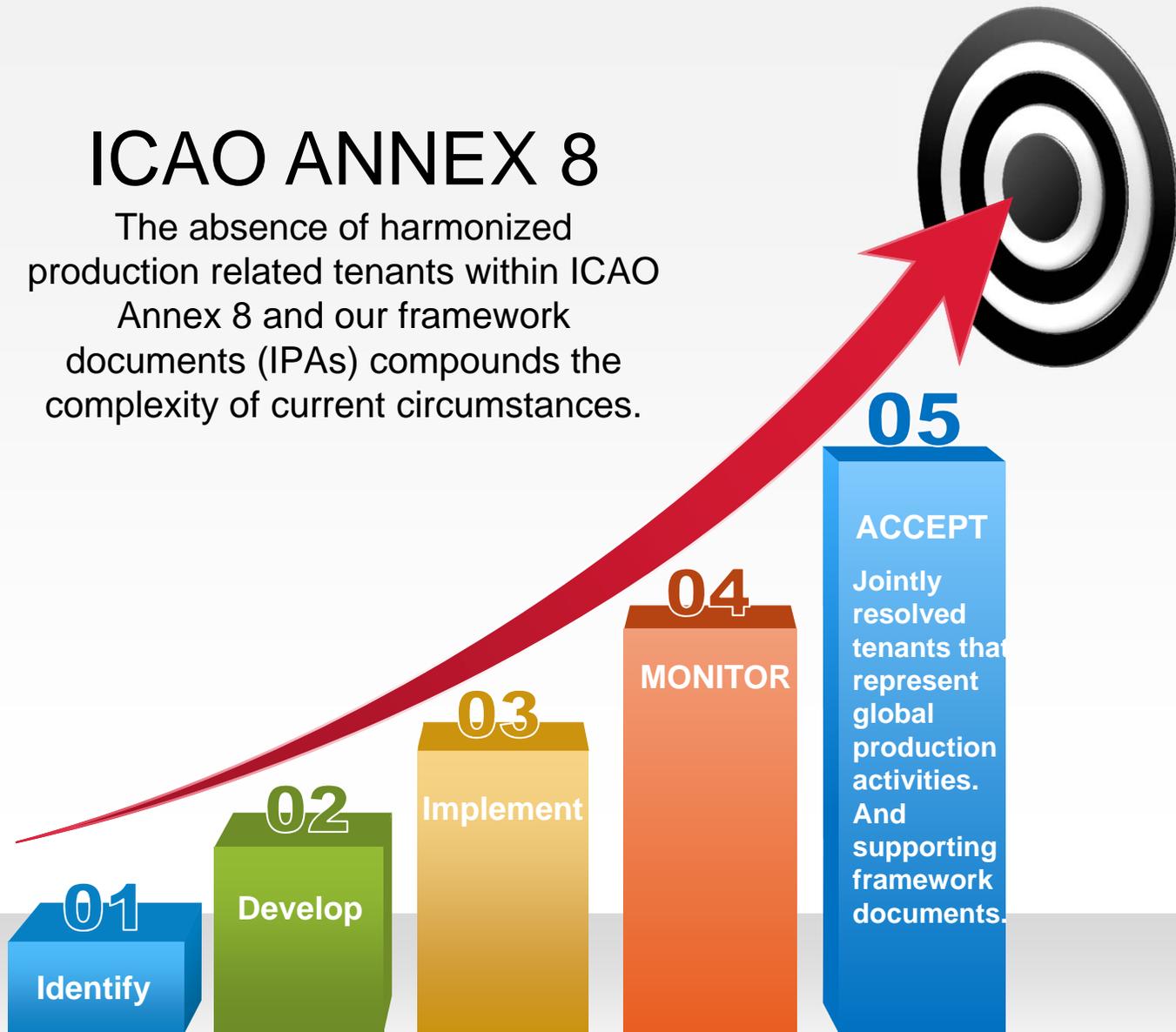


Technical Compliance Output

Global State of Manufacture Tenants

ICAO ANNEX 8

The absence of harmonized production related tenants within ICAO Annex 8 and our framework documents (IPAs) compounds the complexity of current circumstances.



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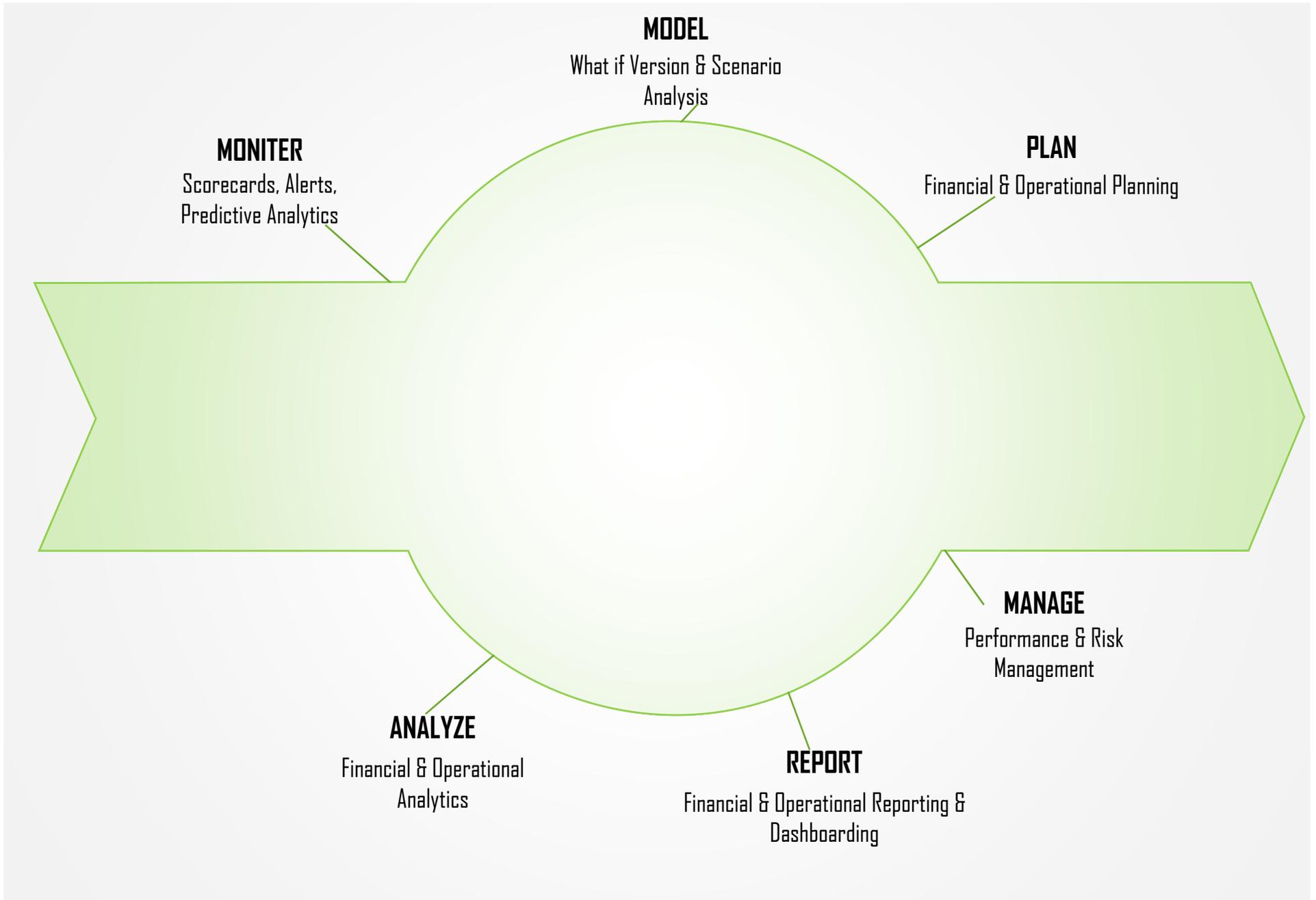
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Partnership Lifecycle– Business Process



Balancing Safety & Commerce

