

OVERSIGHT OF IFP



Civil Aviation Authority of the Philippines

Aerodrome and Air Navigation Safety Oversight Office

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Legislation Relating to IFP

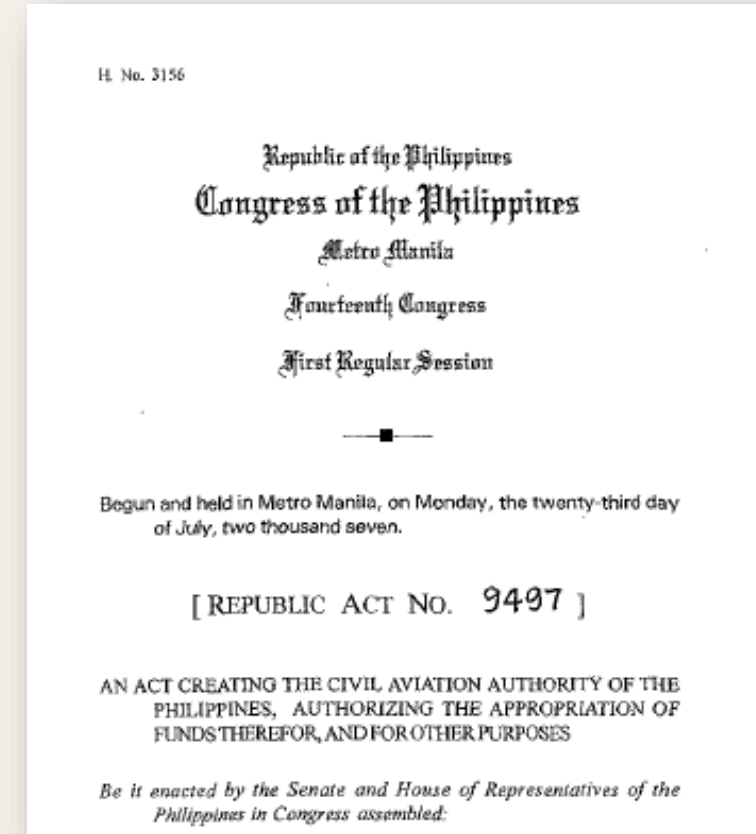
Primary Legislation : Republic Act 9497

- ***Chap V – Powers and Functions of the Board item j)***

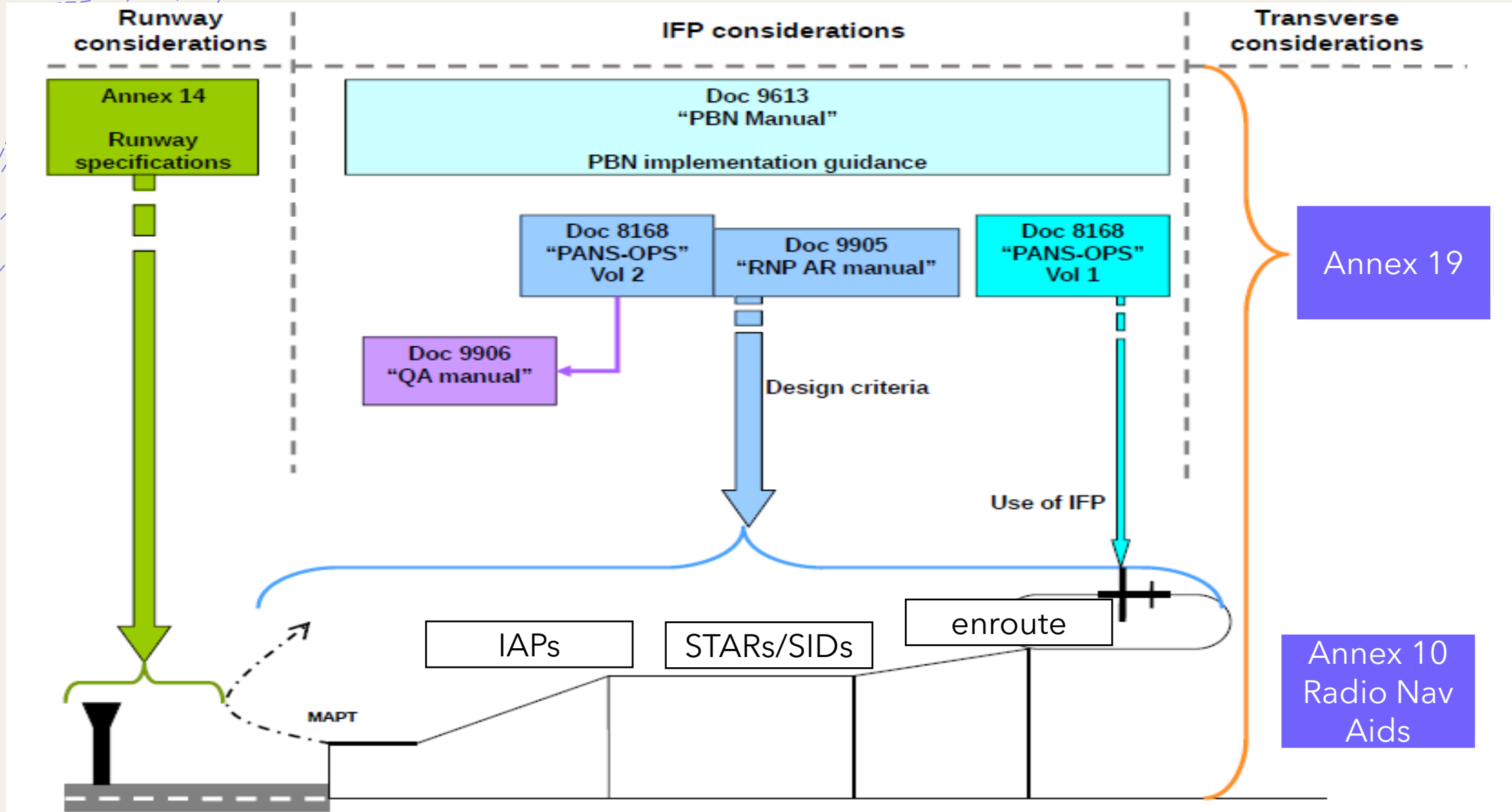
Promulgate rules and regulations in the interest of safety in air commerce pertaining to the approval of **air traffic routes** to provide adequately for safety regularity and efficiency in air commerce and air navigation;

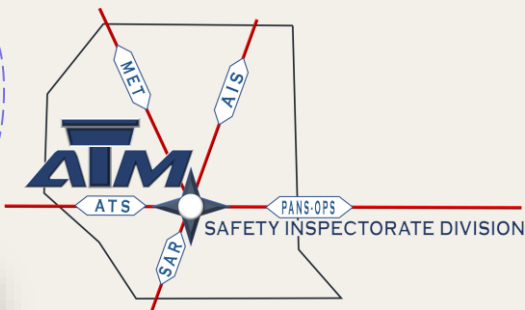
- ***Chap VII – Powers and Functions of the Director General item g)***

To **inspect, classify and rate** and to **determine the suitability** of **air routes** to be used prior to the operation...



Regulatory Framework





Specific Operating Regulations

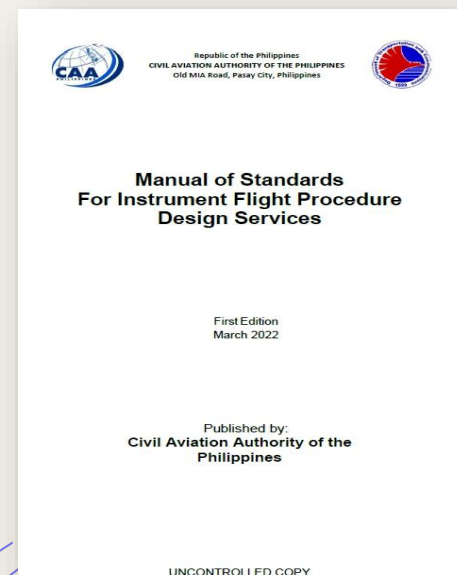
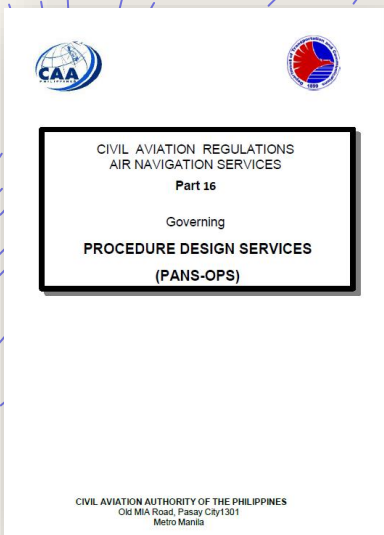
- **CAR-ANS Part 16**

- Requirements for person or organizations who intends to engage in procedure design work to be implemented within Manila FIR.
- Requirements and standards that apply for the design of Instrument Flight Procedures within Manila FIR



- **Manual of Standards for Instrument Flight Procedure Design Service (MOS-IFPDS)**

- Describes the Regulatory Framework governing IFPDS
- Detailed procedures for issuance of authorizations
- Detailed Quality Assurance processes (including approval requirements and continuous maintenance)
- Developed in reference to ICAO Document 10068 and 9906



Authorization of PDSPs



16.4 Requirement for Authorization as a Procedure Design Service Provider (PDSP)

16.4.1 No person or organization, shall design procedures or publish such procedures for air navigation services in Philippine airspace and aerodromes unless he or she belongs to any of the undermentioned categories:

- a) an authorized designer belonging to the following:
 - i) a recognized procedure design service authority under CAAP as stipulated in CAR-ANS Part 11, Appendix 11.7, 1 (a); or
 - ii) a 3rd party PDSP that holds a certificate of authorization issued by CAAP.
- b) the person or organization has a co-operation arrangement with an authorized designer; or
- c) there is a commercial agreement with an authorized PDSP.

Authorization of PDSPs



16.3 Procedure Design Certificate of Authorization

16.3.1 A procedure design certificate of authorization is a credential that:

- a) is granted by CAAP to a procedure design service provider under this regulation; and
- b) authorizes the procedure design service provider to engage in the following activities covered by the authorization subject to conditions set out by CAAP:
 - i) review or amend an instrument flight procedure for a certain type covered by the authorization and is for use by civil aircraft operating under the instrument flight rules (IFR) within the Manila Flight Information Region (FIR);
 - ii) carry on design work on an instrument flight procedure for a certain type covered by the authorization and is for use by civil aircraft operating under the IFR within the Manila FIR; or
 - iii) validate flight procedure design developed by another designer.

Authorization of PDSPs

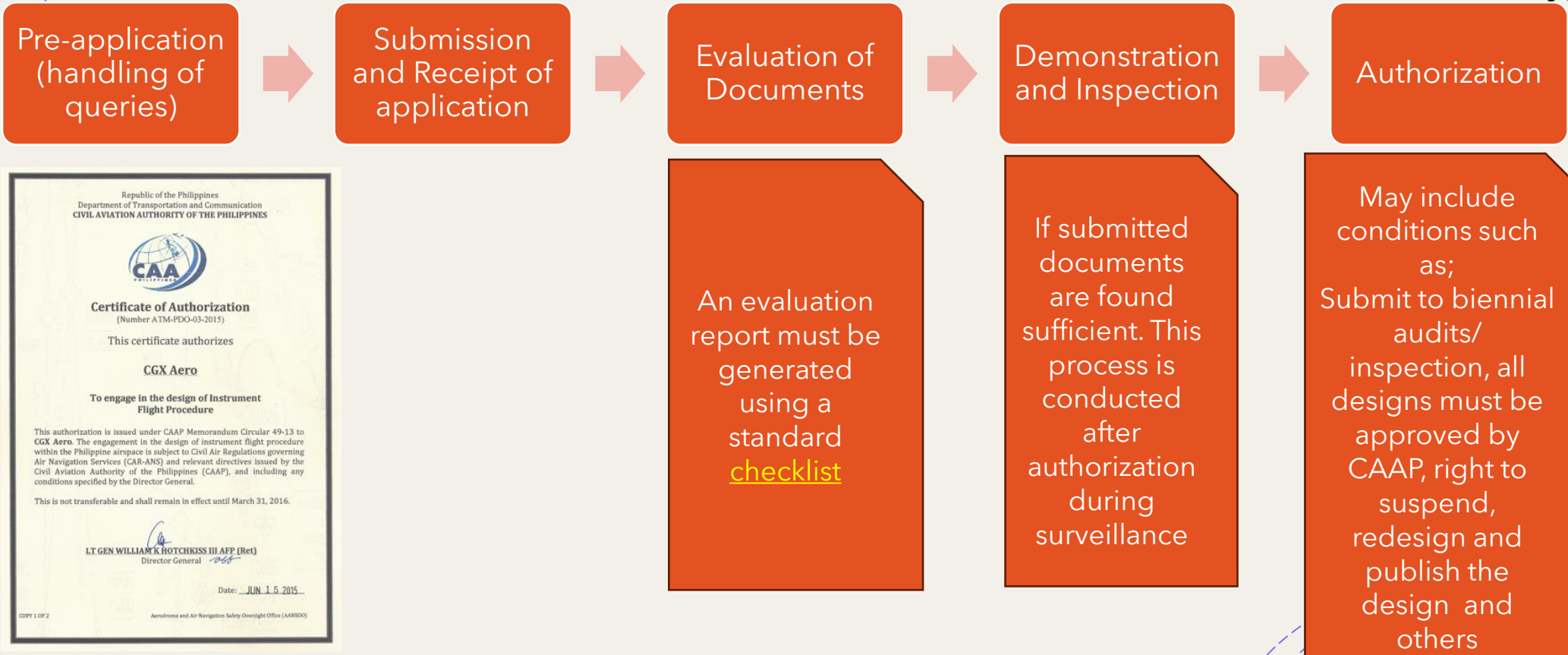


- **Required documents to be submitted by applicants**
 1. Letter of Request for New/Renewal of Authorization addressed to the, Director General of CAAP.
 - business address,
 - statement setting out design procedures or services that the applicant proposes to provide in the Philippines (e.g. Conventional or PBN STARs, SIDs, IAP, Helicopter IFPs, validation, etc.); and
 - list of proposed projects within Philippine Airspace, if available.
 2. Evidence regarding Practical Application of Theoretical Knowledge.
 3. Evidence regarding Aviation Experience (Company profile and track records).
 4. PDSP's Manuals, (Processes and procedures).
 5. Certified true copy or authenticated copy of certificates and other training records of designers employed by the company.
 6. Certified true copy or authenticated copy of authorizations issued by other states or organizations (preferably ICAO member state).
 7. Proof of Payment (should there be any fees and charges).

Authorization of PDSPs



• Application and Authorization Process



Authorization of PDSPs



16.12.3

A certificate and a letter of approval issued under this regulation shall include the following information:

- a) the procedure design service provider's name and address of its principal place of business;
- b) the date of issuance and the date of expiry;
- c) a list of the procedure design services covered by the procedure design service provider's approval; and
- d) any conditions set by CAAP enumerated in an attached letter of approval.

Authorization of PDSPs



16.12.3

A certificate and a letter of approval issued under this regulation shall include the following information:

- a) the procedure design service provider's name and address of its principal place of business;
- b) the date of issuance and the date of expiry;
- c) a list of the procedure design services covered by the procedure design service provider's approval; and
- d) any conditions set by CAAP enumerated in an attached letter of approval.

IFP Approval

- The IFP must be approved by CAAP, prior to publication and/or use. The approval process is meant to ensure that **all the appropriate steps within the IFP process have been completed**, documented and signed off by the **competent authorities**.
- Approval of the IFP is a formal decision of CAAP that endorses not just the **overall implementation process** but also the following **"control steps"** contained within the process ensuring that performance does not deviate from standards.
- Verification by AANSOO does **not focus on the substance of these documents**, but more on the **veracity that the processes involved in the development and maintenance of an IFP have been conducted by the appropriate qualified and competent staff**.
- The PANS-OPS safety inspectors may **participate** in any or all activities in the process as deemed necessary by AANSOO, or as requested by a stakeholder. Further, the PANS-OPS safety inspectors may **conduct its own criteria verification, ground validation and/or employ the services of an FVSP** to verify validation reports submitted by the PDSP as part of their tasks related to CAAP approval obligations.

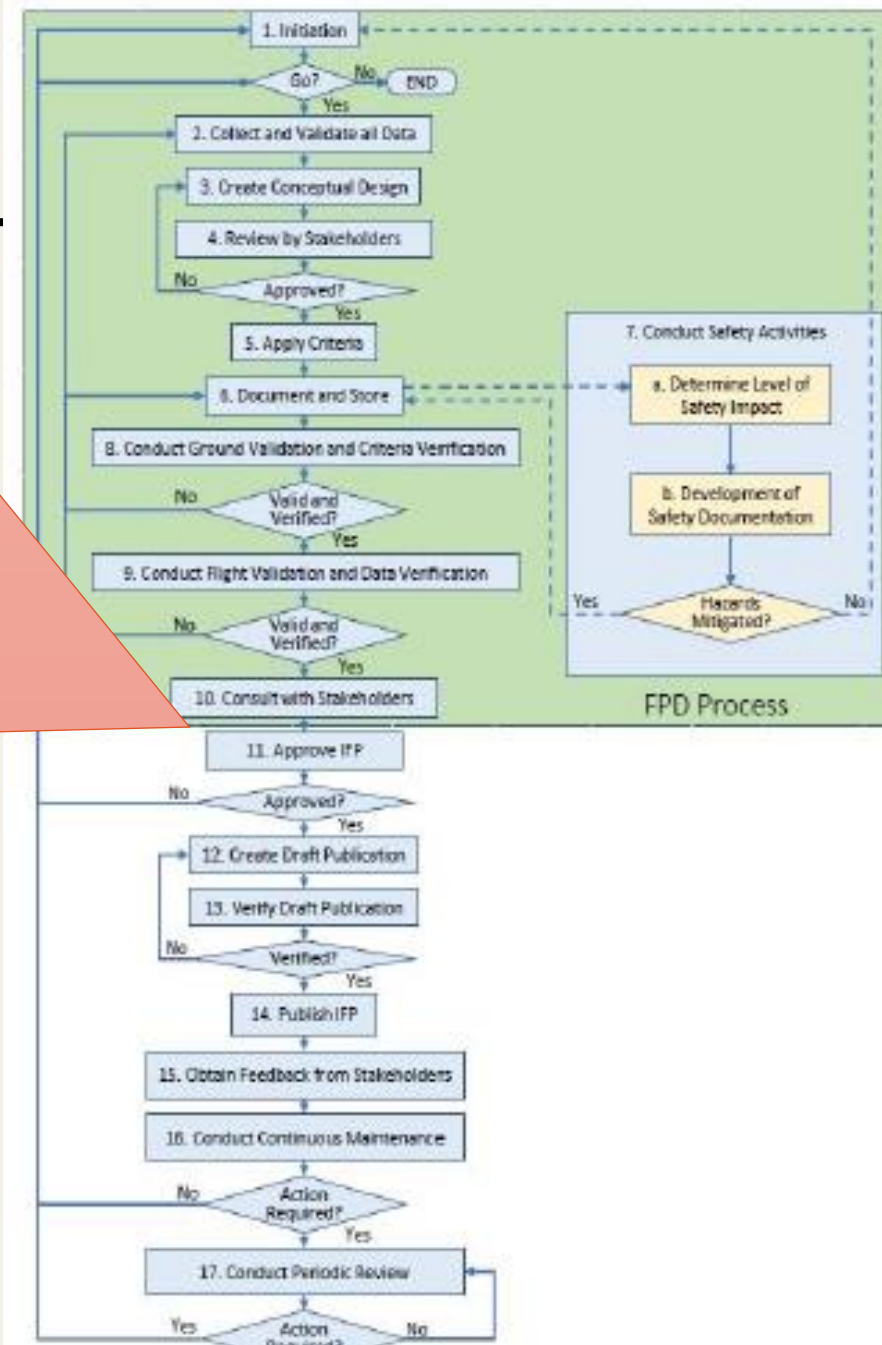


Figure 4.2 IFP process flow diagram

IFP Approval

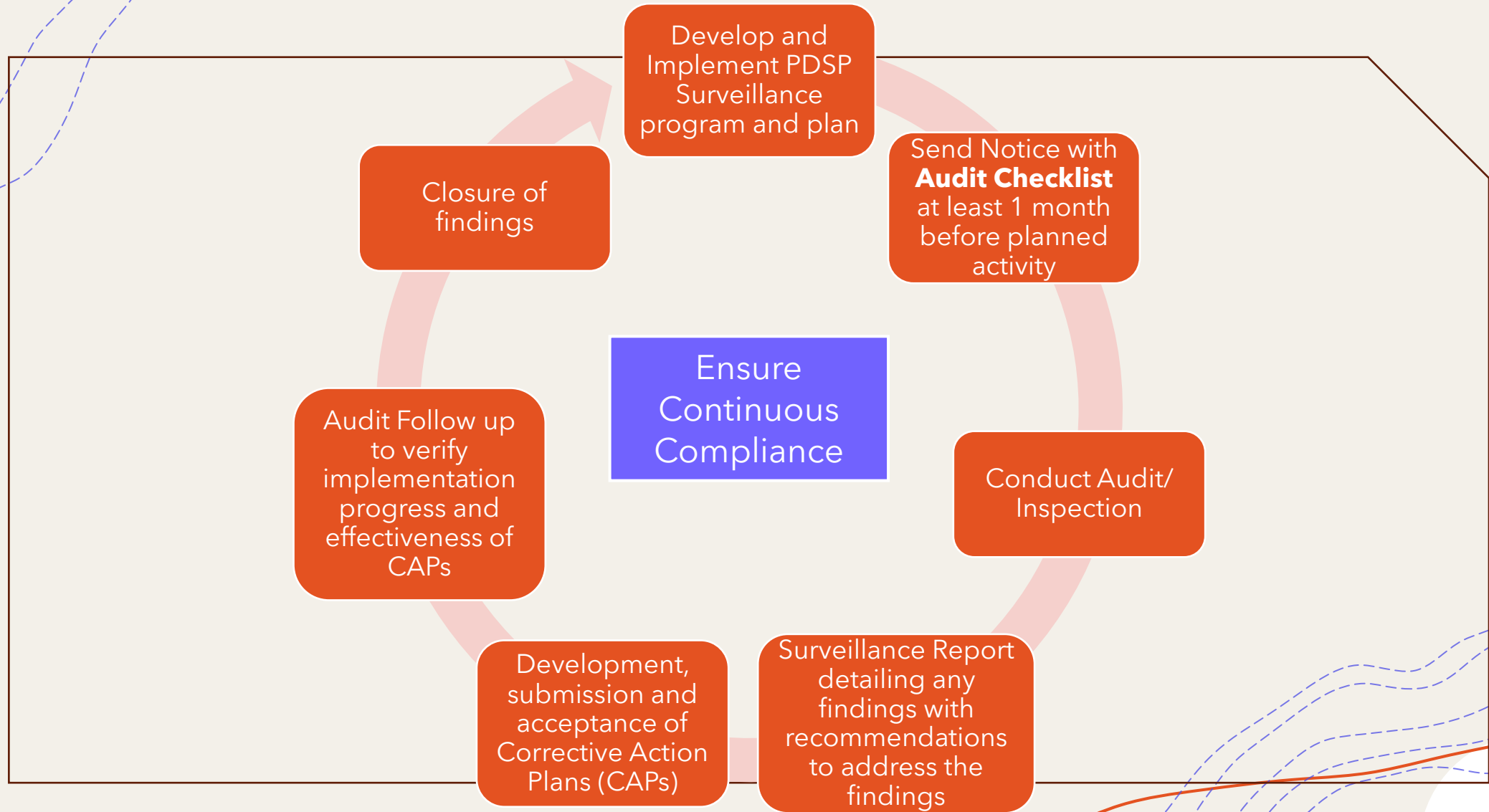
- **Required documents to be submitted by PDSP**

1. An approved request or signed contract to design, modify or review of a procedure, or managerial directive/authority order to pursue the design, modification or review of an IFP
2. approved conceptual design, normally signed by the involved stakeholders such as, aircraft operators, aerodrome operators, pilots and ATCs, designers, local government organization, regulatory authorities (when necessary), etc. Minutes of the meeting, if held, is also required.
3. The FPD package or the technical report of the procedure, which includes all collected data used in the design, the procedure layout, the relevant calculation outputs, navigation data (when applicable), coordinates and textual description of the intended procedure.
4. Ground validation and verification reports
5. Flight validation reports (simulation and actual flight) as necessary
6. Safety activity report
7. Draft charts/ graphical presentation of the IFP

IFP Approval

- **Forms and Templates**
- Safety Activity Report Form
- Criteria Verification and Ground Validation Report Form
- Flight Validation Report Form
- A Quality Assurance Report must be generated using a standard checklist.

Surveillance of PDSPs



Regular Performance Assessment



ATMSID Safety Data Collection and Processing System



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Top Performing Facilities

Top Performing Facilities

*Over-all Inspection Top Performing Facilities

Facility Name	Facility Type	Improvement Needed
Bacolod	TWR	0
Caticlan	TWR	0
Iloilo	TWR	0
Puerto Princesa	TWR/APP	0
Tuguegarao	FSS	0
Manila-Clark	APP	0
Cauayan	TWR	0
Sangle	TWR	0
Davao	TWR	0
Puerto Princesa	MET	1
Dumaguete	MET	1

Please select / highlight a record from *Over-all Inspection Top Performing Facilities list, to view Inspection history.

Inspection Records

ID	Report Ref No	Facility Name	Facility Type	Activity Type	Audit Cycle	Team Leader	Start Date	Improvement Needed
1		Laoag	TWR/APP	Inspection	1st	Jose V. Festejo, Jr.	18/04/2018	1
10	ATS-FSS-13-008	Tuguegarao	FSS	Inspection	1st	Ernesto P. Discaya,	25/09/2019	0
11	ATS-FSS-I-19-008	Surigao	FSS	Inspection	1st	Reonel F. Cordova	02/10/2019	3
12	ATCF-AD-13-009	Caticlan	TWR	Inspection	1st	Theodore O. Estero	02/10/2019	0
13	ATS-FSS-13-006	Virac	FSS	Inspection	1st	Theodore O. Estero	09/10/2019	9
14	ATCF-AD-13-008	Iloilo	TWR	Inspection	1st	John F. De La Cruz	09/10/2019	0
15	ATCF-AP-15-002	Puerto Princesa	TWR/APP	Inspection	1st	Jose V. Festejo, Jr.	28/10/2019	0

**Over-all Audit Top Performing Facilities

Facility Name	Facility Type	Compliance %
Tacloban	TWR/APP	100
ATS Headquarters	HQ	100
Bicol	TWR	100
Iloilo	TWR	100
Butuan	TWR/APP	100
Baguio	TWR	99
Mactan Radar App	APP	98
Manila ACC	ACC	98
Puerto Princesa	TWR/APP	98
Tambler	TWR/APP	98
AIS	AIS-Operations	98
Manila-Clark	APP	98
Caticlan	TWR	97
Bacolod	TWR	97
Davao Approach	APP	97
Kalibo	TWR	97
Davao	TWR	97
AIS	AIS-QMS	95
Panglao	TWR	94
Dumaguete	TWR	94
Basco	FSS	93
PARCC	SAR	92

Please select / highlight a record from **Over-all Audit Top Performing Facilities list, to view Audit history:

Audit Records

ID	Report Ref No	Facility Name	Facility Type	Activity Type	Audit Cycle	Team Leader	Start Date	Compliance %
1	ATS-FSS-14-020	Basco	FSS	Follow-up Audit	1st	John F. De La Cruz	19/03/2018	100
10	ATCF-AD-14-017	Davao	TWR	Follow-up Audit	1st	Jose V. Festejo, Jr.	04/07/2018	100
100	ATM-MET-19-13	Butuan	MET	Initial Audit	1st	Jose V. Festejo, Jr.	05/03/2019	61
101	ATM-MET-17-005	Laoag	MET	Follow-up Audit	1st	Jose V. Festejo, Jr.	19/03/2019	50
102	ATM-MET-19-14	Legazpi	MET	Initial Audit	1st	Jose V. Festejo, Jr.	21/05/2019	62
103	ATM-MET-19-15	Roxas	MET	Initial Audit	1st	Jose V. Festejo, Jr.	23/07/2019	59
104	ATM-MET-18-07	Zamboanga	MET	Follow-up Audit	1st	Jose V. Festejo Jr.	11/09/2019	57

