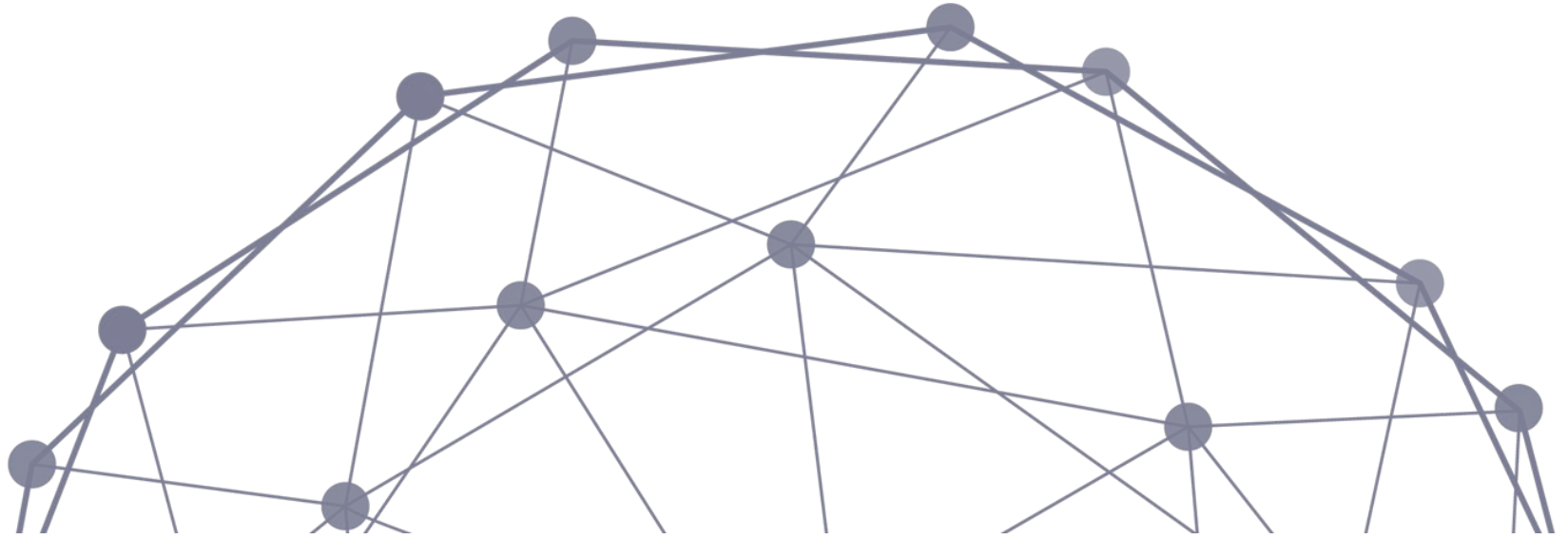
Agenda Item 3:

Activities for the handling and management of the databases of the Control centres and regionally minimize flight plan errors

P04: INITIAL FLIGHT PLAN VALIDATION PROCESSOR ProVIP COCESNA



INITIAL FLIGHT PLAN VALIDATION PROCESSOR
ProVIP

COCESNA

JENNY LEE
AIM CHIEF
COCESNA

MAIN OBJECTIVE OF ProVIP

Ensure the quality of information in the flight plans of aircraft landing, taking off and flying over Central American airspace by streamlining the reception, validation, acceptance and distribution of flight plan data through an initial flight plan validation processor.

UNIFIED FLIGHT PLAN PROCESSING

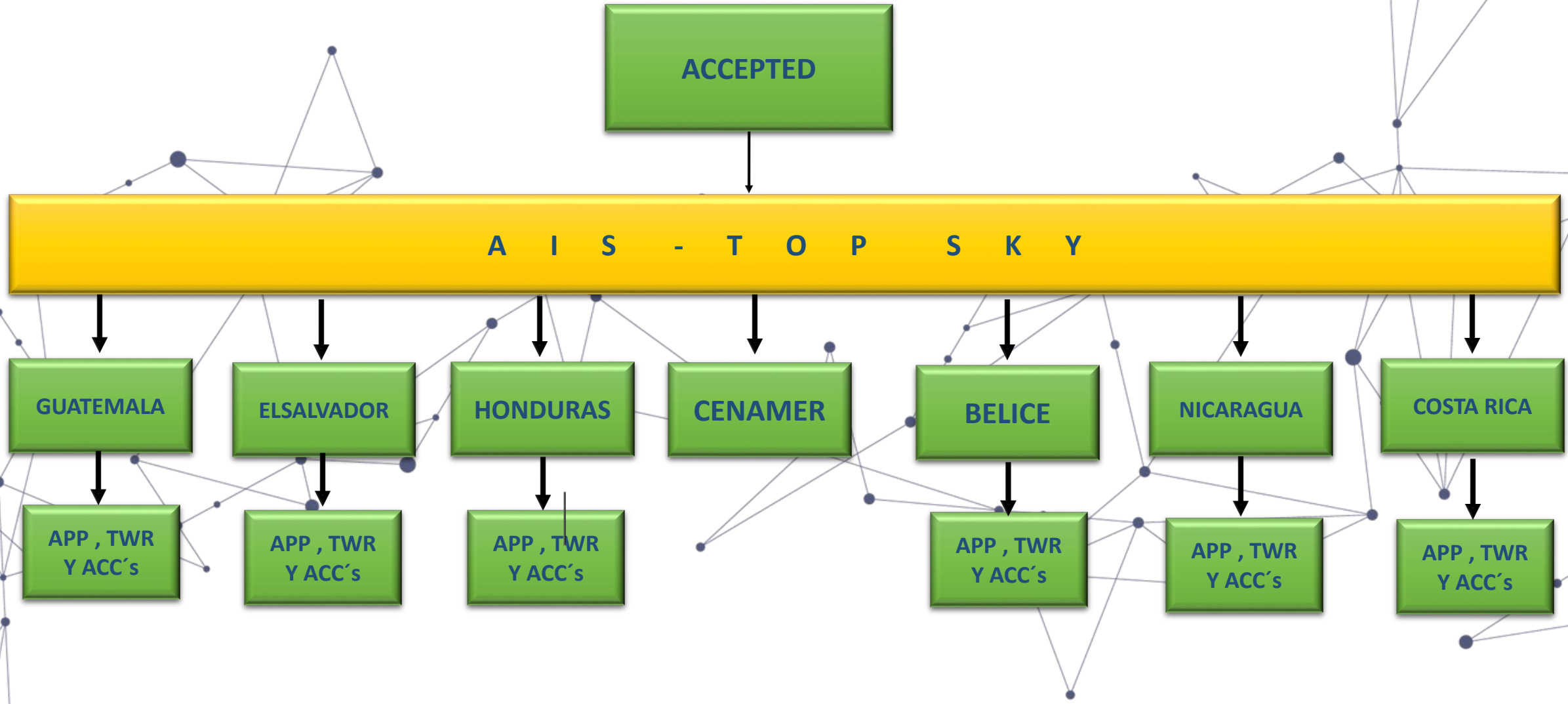
Verification of a Flight Plan for any aircraft intending to enter upper airspace (above FL200) of the MHCC FIR is automatically reviewed through the Flight Plan Initial Validation Processor (ProVIP) by sending your plan to a unique address (MHFPZYZX).

ELECTRONIC FLIGHT PLAN

Use of ProVIP's electronic Flight Plan Template for all flights above F200, on a platform that allows the user to immediately know what flight plan errors they have and amend them before transmitting an FPL.

INITIAL FLIGHT PLAN VALIDATION PROCESSOR

STATUS DISTRIBUTION



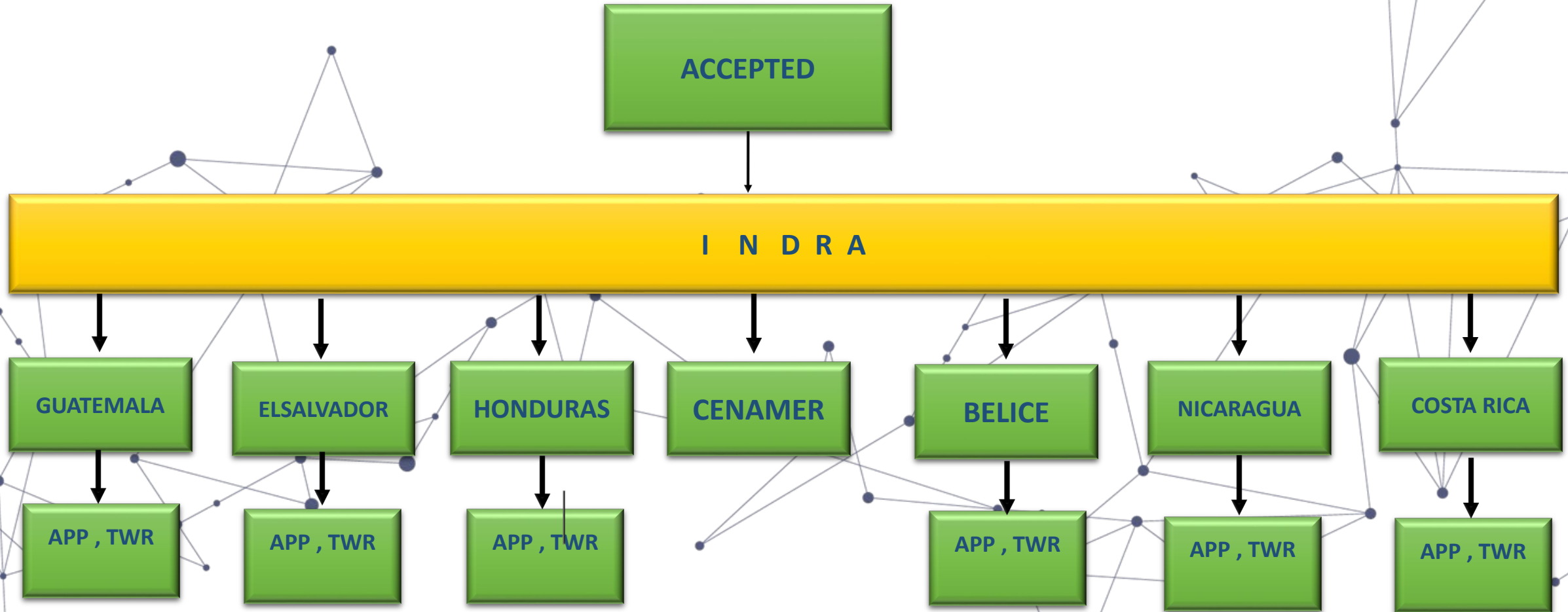
TEST PERIOD DATE

The Initial Flight Plan Validation Processor was in its testing phase from October 2020 to early October 2021, this period was intended for COCESNA Member States:

1. Review the ICAO regulations associated with the flight plan.
2. Suggest improvements to the platform.
3. Clear system doubts.
4. Verify the stability of the ProVIP platform.
5. Coordinate with airlines, general aviation/military and flight dispatchers regarding the use of the Validator.
6. Update information from the licensing area.

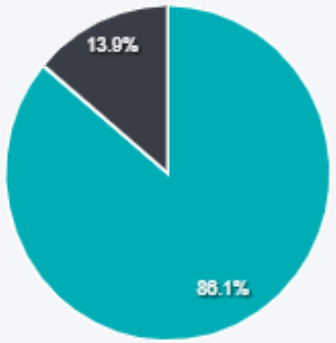
INITIAL FLIGHT PLAN VALIDATION PROCESSOR

STATUS DISTRIBUTION



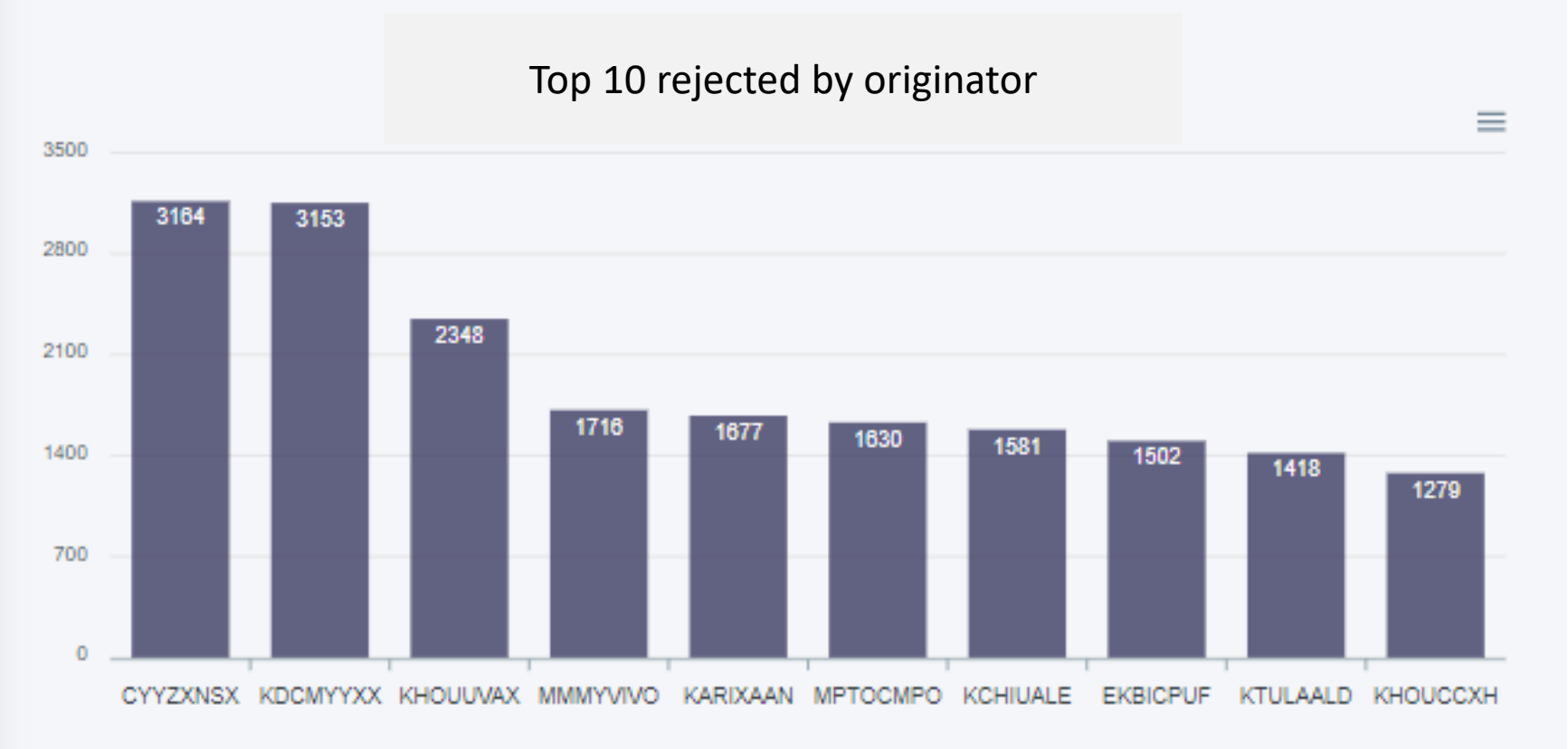
ProVIP STATISTICS

Valid and rejected flight plans



223,947	36,249	260,205
Válidos	Rechazados	Total FPL

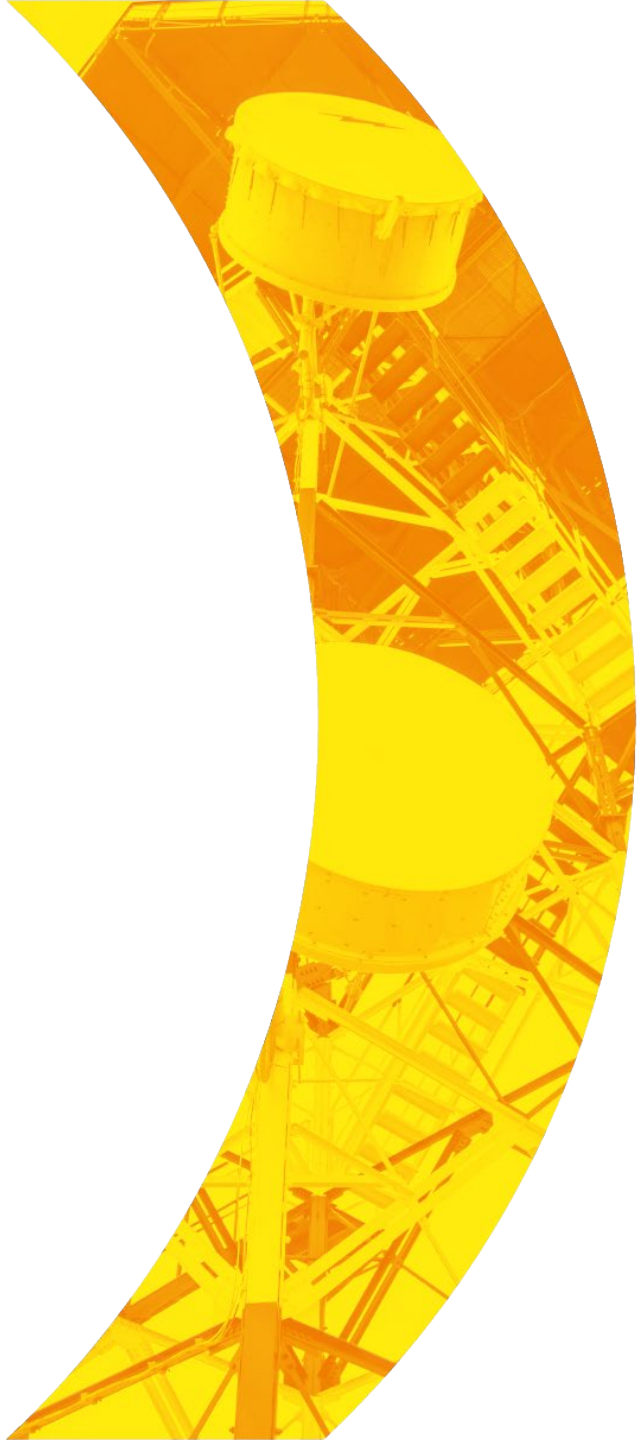
ProVIP STATISTICS



ProVIP STATISTICS

Top 10 rejected by type of error

CANTIDAD	RAZON DEL RECHAZO
8,467	Planes de vuelo duplicados
7,257	Designadores inválidos
3,863	Plan de vuelo no encontrado para aeródromo de salida
3,136	Planes de vuelo presentados con menos de 30 minutos
2,863	EET que no existen
2,295	PBN incluye capacidades que son excluyentes entres sí
1,990	Actualización del plan de vuelo no válido para el estatus del plan de vuelo.
1,955	Duplicación REG en la casilla 18
1,949	Falta de letra Z en casilla 10 porque tiene NAV/ en casilla 18
1,503	Falta de información EET para la FIR MHCC.



IMPROVEMENTS OBTAINED ProVIP

- Reduction of flight plan errors.
- Expedited revision of a flight plan.
- Recurring error statistics.
- Immediate coordination with the originator when sending ACK/REJ.
- Reduction of duplicate flight plans.
- Significant reduction in flight plan omissions.
- Regionally approved rejections.
- Use of a single flight plan.
- Increased automated coordination.

ProVIP CONTINGENCY

The purpose of ProVIP contingency is to send revised flight plans directly to the control center in the following cases:

1. Internal dispatch problems between the AIS and the APP/TWR control center.
2. Problems receiving flight plans from ProVIP to AIS.
3. Industrial actions taken by the AIS/ARO that prevent the transmission of flight plans and associated messages.

The ProVIP contingency has already been implemented in the MHCC IRF with very good results, in this case the only one that can request its activation is the COCESNA Member State.

CONCLUSION

COCESNA's work in conjunction with its Member States has resulted in the Flight Plan Initial Validation Processor (ProVIP) being a success that brings great benefit to the MHCC FIR.

These benefits are intended to ensure that all flights experience a high level of safety when crossing the airspace of the entire Central American region and that each person arrives safely at his or her destination.

COCESNA

Questions?
Thanks you.

ACNA
Air Navigation Services