

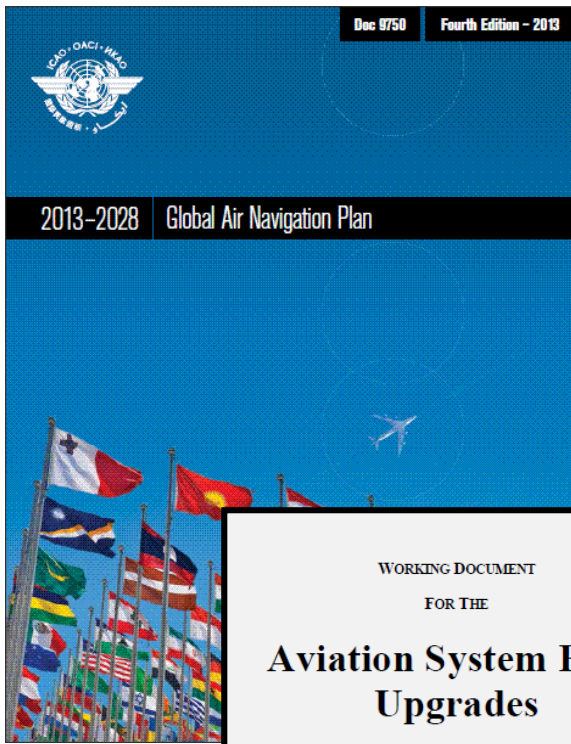


FAA
Air Traffic Organization



Creating ASBU-based National ANPs in the ICAO NACC Region

Prepared by: M. Tanino, ATO Global ATM PM
For: Asia/Pacific National ANP Seminar
Date: July 31, 2020



WORKING DOCUMENT
FOR THE
**Aviation System Block
Upgrades**

THE FRAMEWORK
FOR GLOBAL HARMONIZATION

ISSUED: 28 MARCH 2013

What is the GANP?

Supports a harmonized Global Air Navigation System

- An overarching framework
- Addresses key civil aviation policy principles
- Assists ICAO Regions and States to establish air navigation priorities for the next 18 years
- Assists ICAO Regions and States to prepare their navigation plans

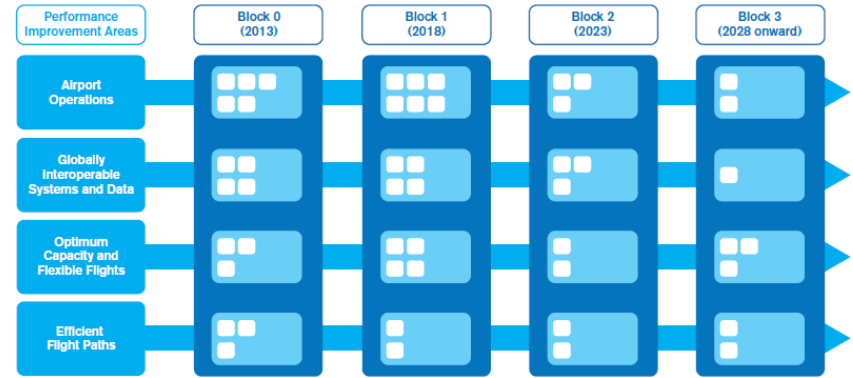
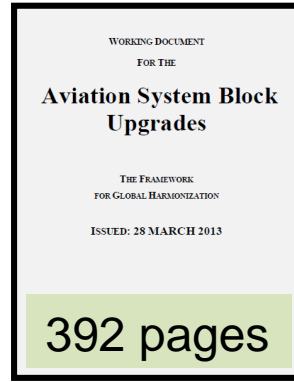
2013 – GANP and ASBU



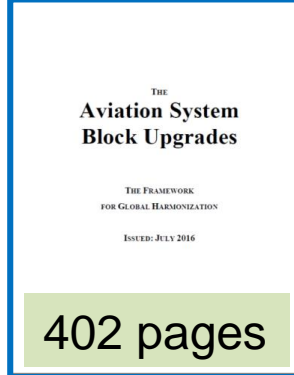
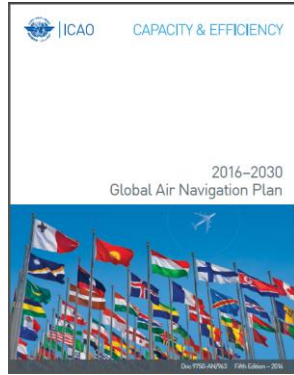
GAAP ASBU
AUP



4th Edition 2013



5th Edition 2016



6th Edition 2019



567 pages





ASBU

ANP

GANP

???

BBB

Presentations
Workshops

Talks

Web

Videos
Documents
Talks

Documents
Briefings

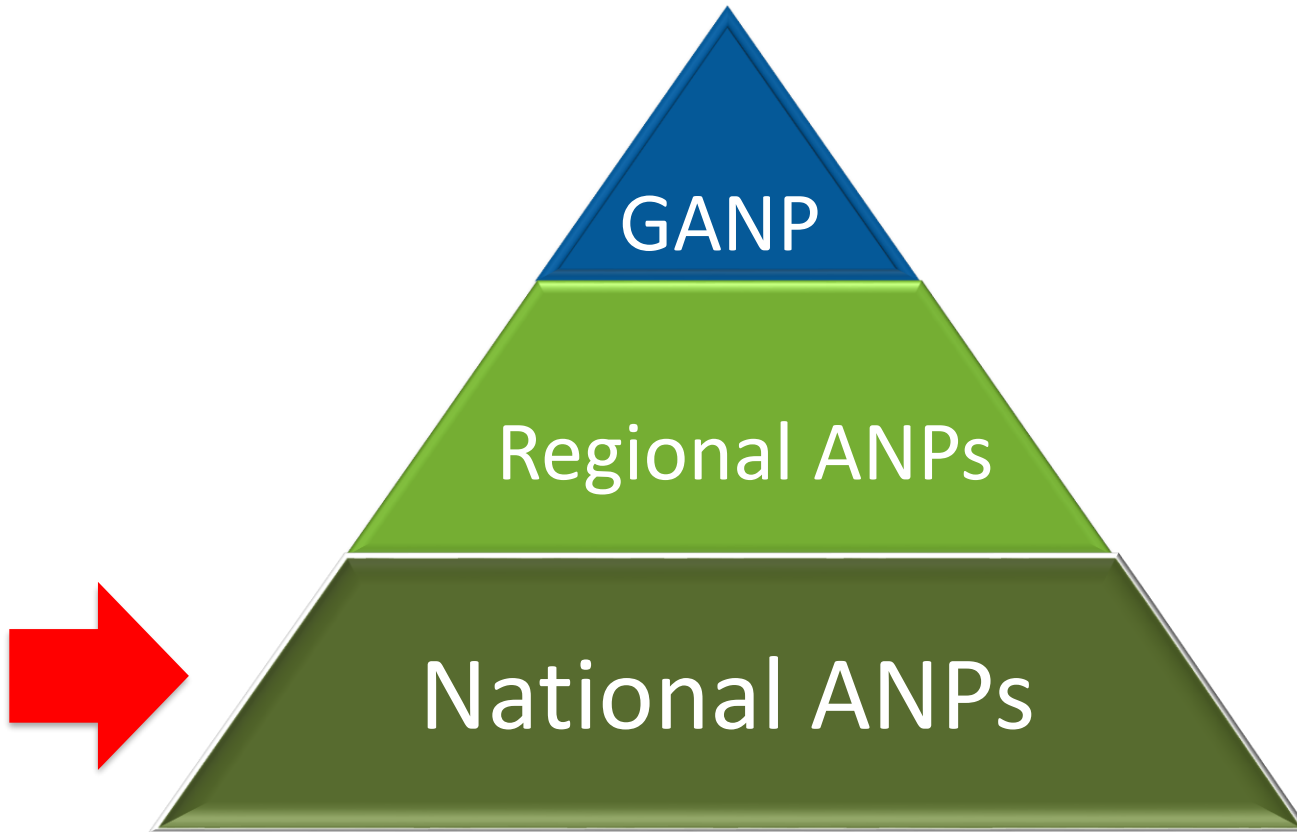
Web portal
Documents

Workshops

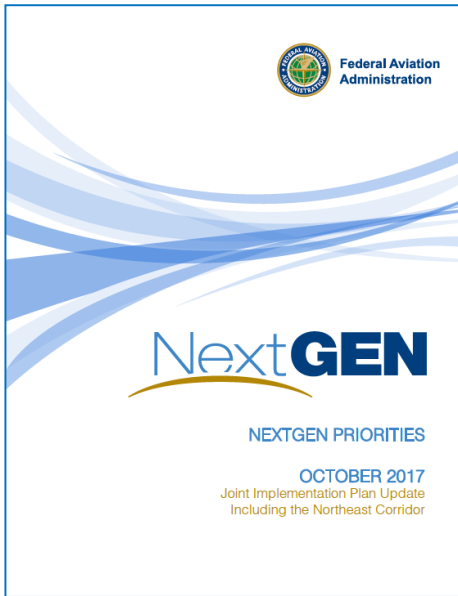
Papers
Seminars
Talks



ANP Hierarchy



USA & Canada National ANP



USA:
NextGen
Implementation
Plan

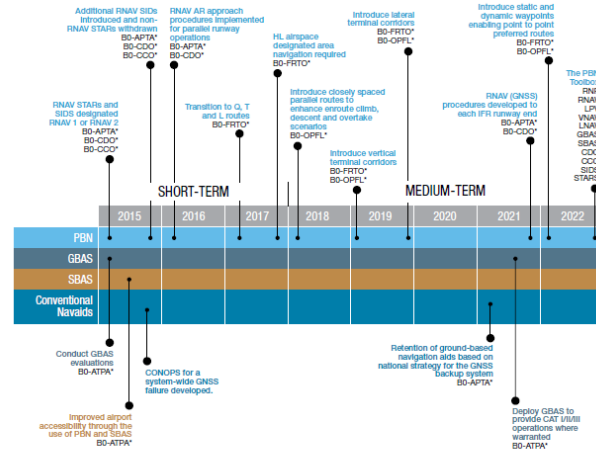
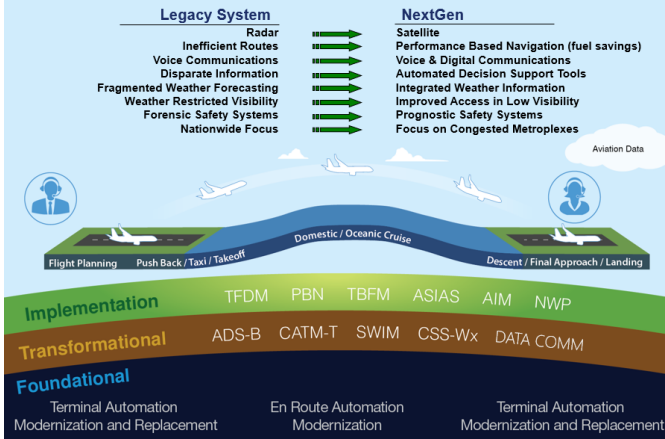
CANADA:
The Air
Navigation
System Plan



PBN TIMEFRAME

Implementation will be based on priorities that are cognizant of regulations (current and future) as well as customer requirements and capabilities. The requirement is for a total system capability to enable an air operation and therefore implementation will be aligned with Traffic stake

Delivering NextGen Improvements



Note: *See explanation of mapping to ICAO Aviation System Block Upgrades on page 1.



ICAO NACC consists of 22 member states & 19 territories

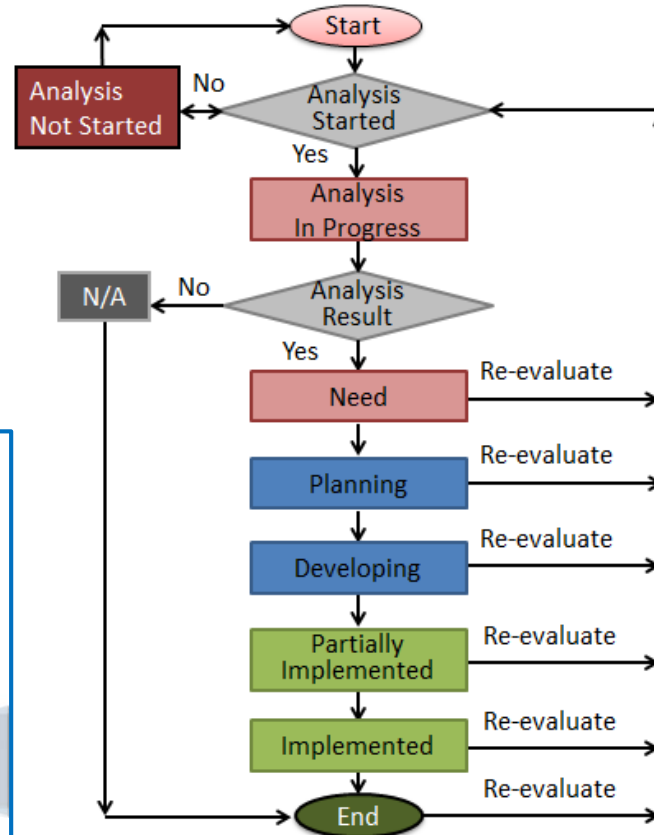
Who would prepare ANP?

- All 22 member states
- Curacao
- COSESNA

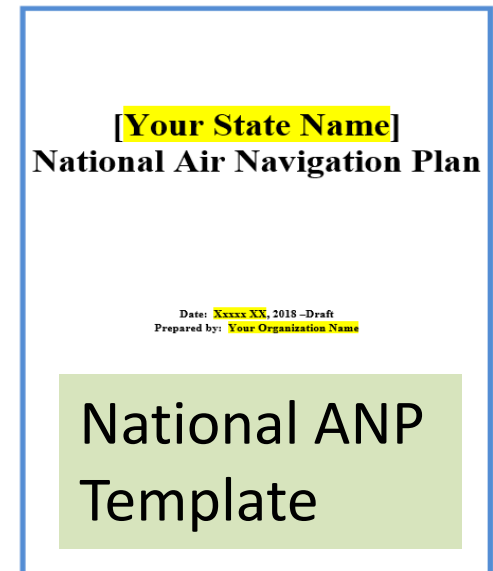
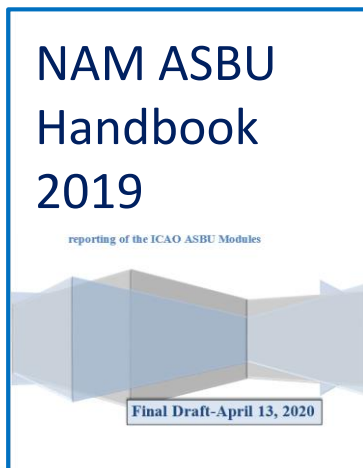


Air Navigation Reporting Form

Block 0	Name	Ele #
Ops- Adm	ACDM	2
Ops- Adm	APTA	8
Ops- Adm	RATS	0
Ops- Adm	RSEQ	3
Ops- Adm	SURF	3
Ops- Adm	WAKE	0
Ops - Sys	ACAS	0
Ops - Sys	CSEP	0
Ops - Sys	FRTO	4
Ops - Sys	GADS	0
Ops - Sys	NOPS	5
Ops - Sys	OPFL	1
Ops - Sys	SNET	4
Ops - Sys	TBO	1
Info	AMET	4
Info	DAIM	0
Info	FICE	1
Info	SWIM	0
Tech	ASUR	3
Tech	COMI	7
Tech	COMS	2
Tech	NAVS	4



[State] ASBU Air Navigation Reporting Form (ANRF)			
Operations - Aerodrome	Module	ACDM - B0	Date
17 February 2020			
Thread Airport Collaborative Decision Making			
Module Description: Aerodrome operators, aircraft operators, air traffic controllers, ground handling agents, pilots and air traffic flow managers share live information that may be dynamic, to better coordinate decision-making. This applies notably in day to day Operations and in case of severe weather conditions or in case of emergencies of all kinds; in these cases A-CDM procedures are referred to in the snow plan, the aerodrome emergency response plan and the aerodrome manual. In some cases, aerodromes are connected to the ATM network via the ATFM function or to ATC through data exchange.			
Element Implementation Status:			
1	Element Description: ACDM-B0/1 Airport CDM Information Sharing (ACIS)	Date Planned/Implemented Click or tap to enter a date.	Status Choose a level
Status Details:			
2	Element Description: ACDM-B0/2 Integration with ATM Network function	Date Planned/Implemented Click or tap to enter a date.	Status Choose a level
Status Details:			
Achieved Benefits such as (1) Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety			
Implementation Challenges such as (1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals			
Notes			

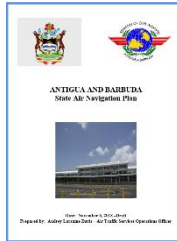
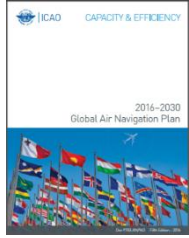


ICAO NACC NANP WS

- Three WS in 2018
- One week (5-day) WS
- Step-by-step using template
- Collaboration among participants
- Walk out with excellent draft NANP



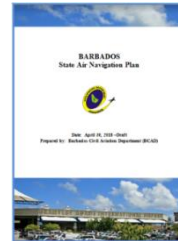
GANP



Antigua & Barbuda



Bahamas



Barbados



Belize



COCESNA

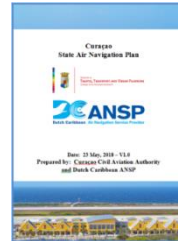
RPBANIP



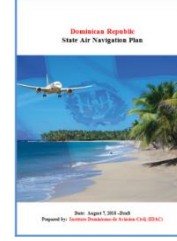
Costa Rica



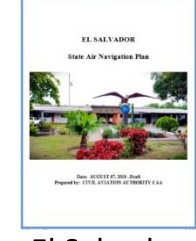
Cuba



Curacao



Dominican Republic



El Salvador

ANP



Dominica



Grenada



Guatemala



Haiti



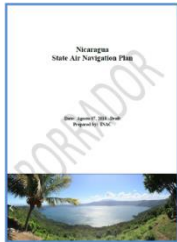
Honduras



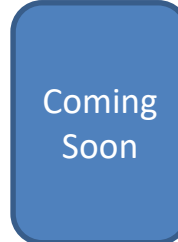
Jamaica



Mexico



Nicaragua



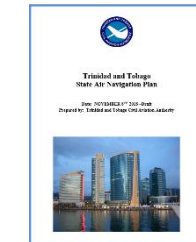
St Kitts & Nevis



Saint Lucia



St. Vincent & Grenadines



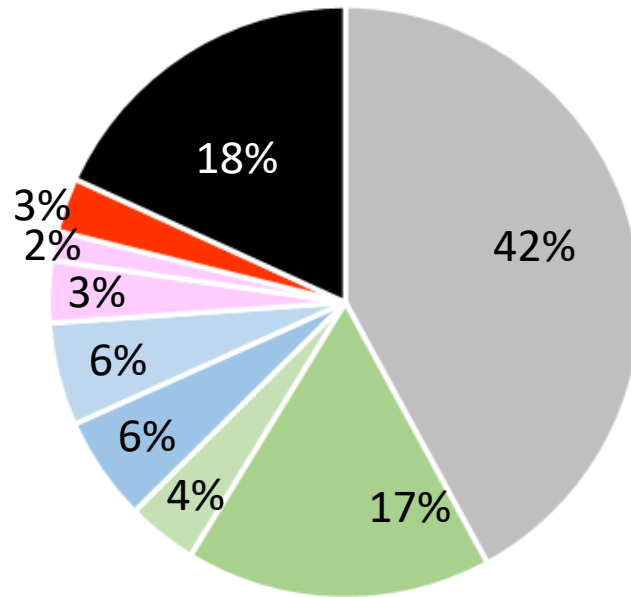
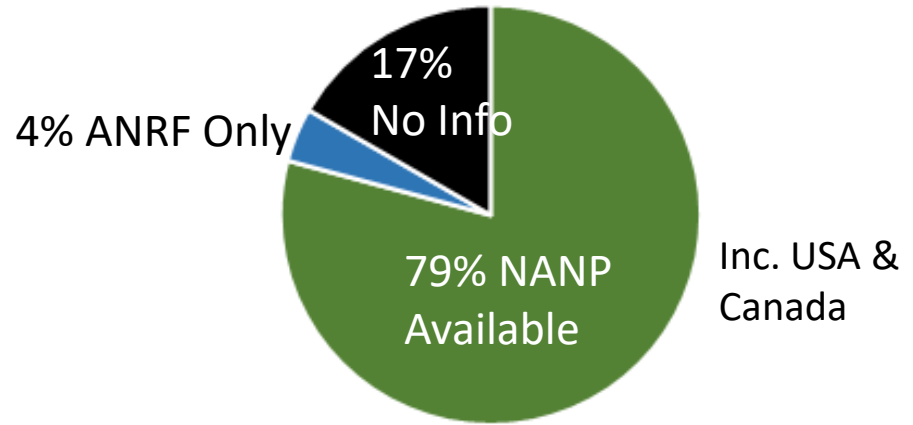
Trinidad & Tobago

For CAR, there will be 22 ANPs:
20 States
1 Territory
1 Organization

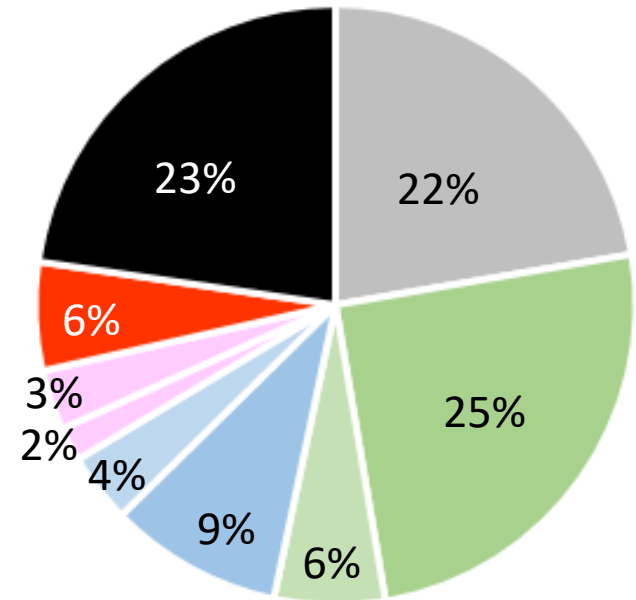
(As of Nov 2019)

ASBU B0 Implementation Status

N/A
Implemented
Partially Implemented
Developing
Planning
Need
In Progress
Not Started
No Info



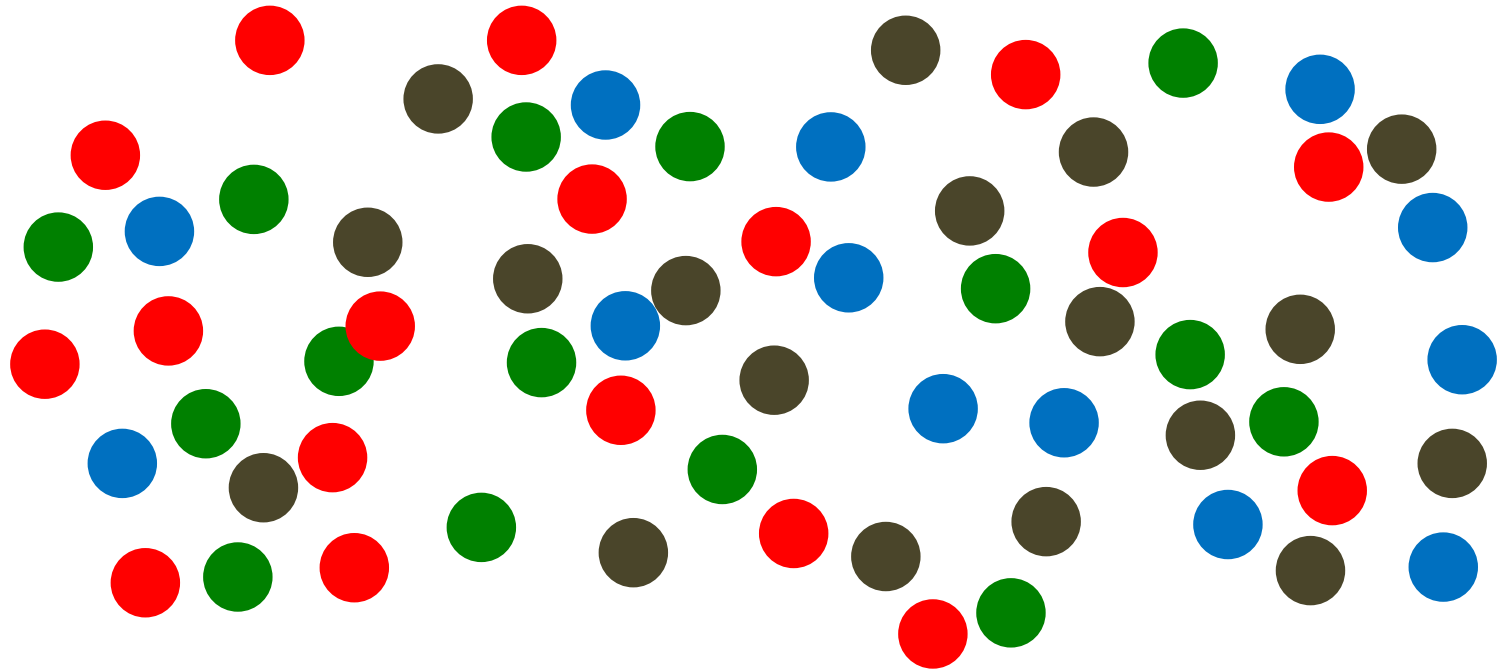
Aerodrome Centric
Exc. USA & Canada



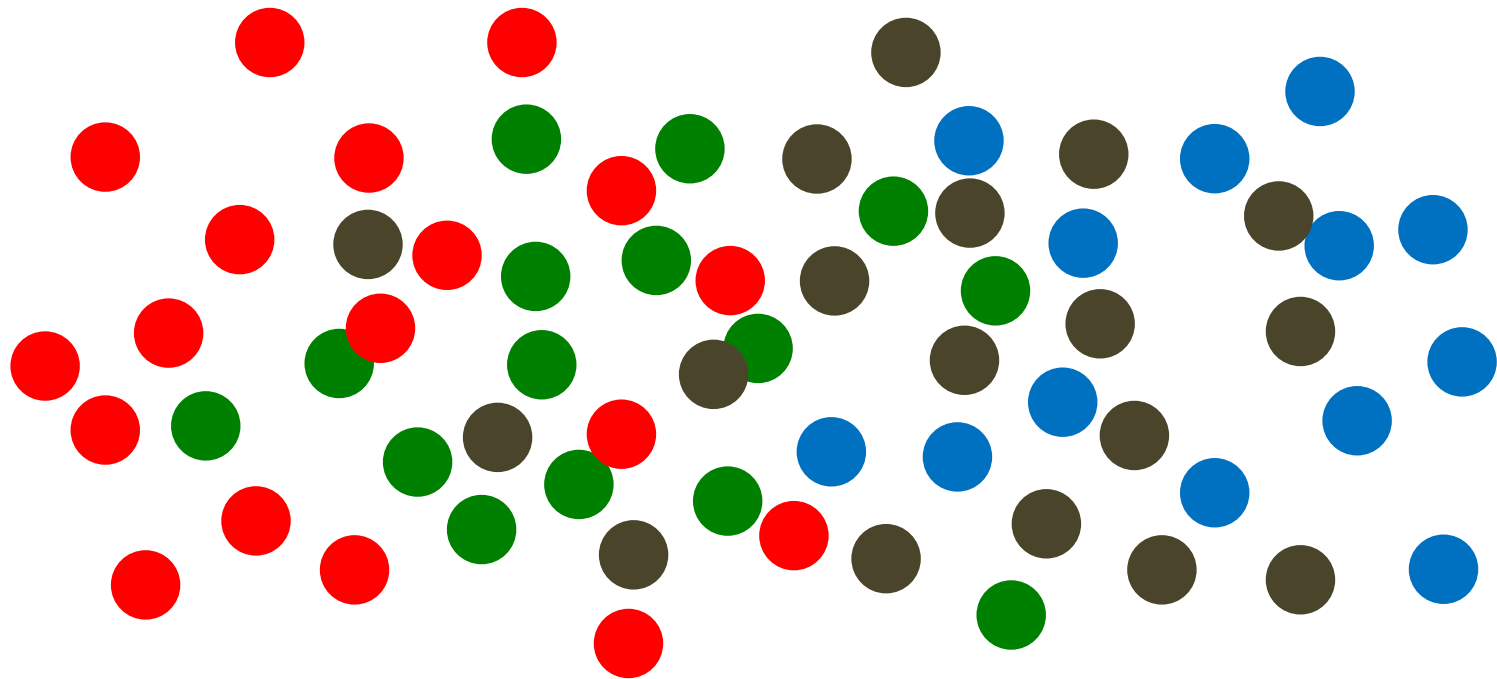
System Centric
Exc. USA & Canada



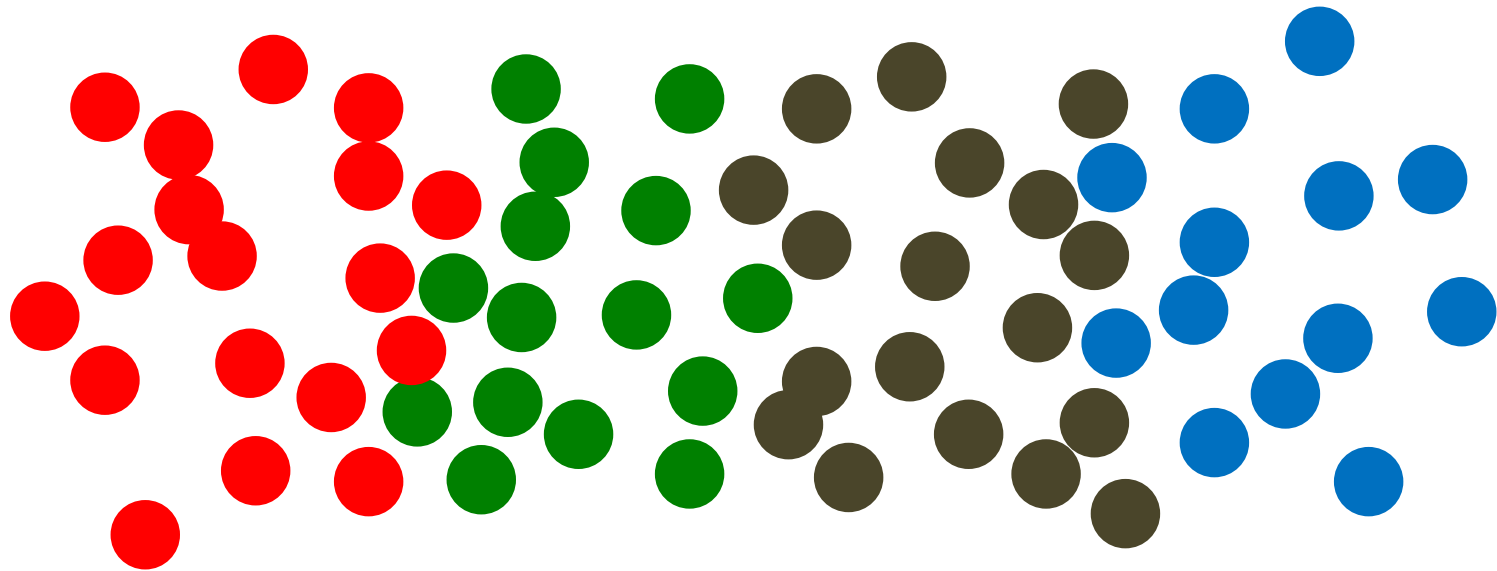
Collecting and Connecting Dots



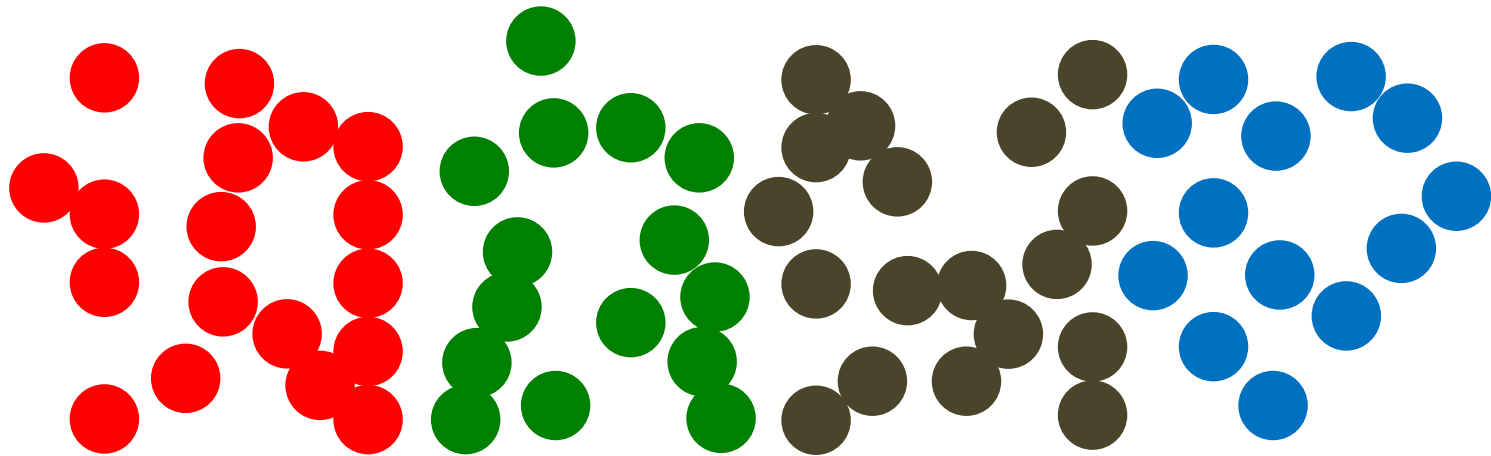
Collecting and Connecting Dots



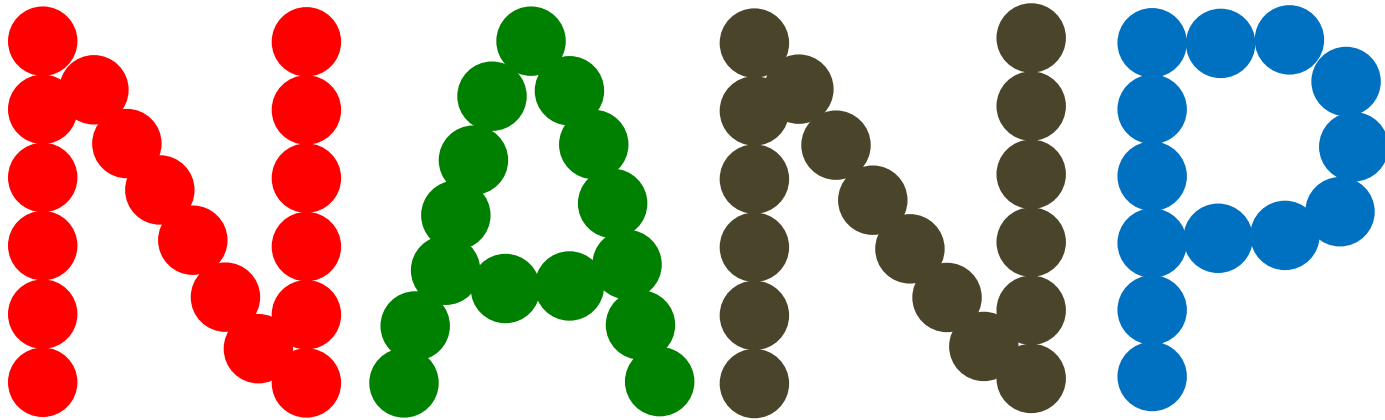
Collecting and Connecting Dots



Collecting and Connecting Dots



Collecting and Connecting Dots



Questions?



Midori.Tanino@faa.gov



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