QUESTIONNAIRE

Implementation of Conventional Nav'Aids and GNSS (Core and Augmented)

NAME OF STATE/FIR: _____

Section 1 : Effective implementation of Aeronautical radio navigation Systems

A. Conventional Navaids

1. a. Has your State implemented conventional radio navigation stations (NDB, VOR, DMEs)?
    ☐Yes   ☐No

    b. If yes, how many?

VOR	
NDB	
VOR/DME (Co-Located)	
DME/DME	

    c. What are the coordinates (Location) of your NDB/VOR/DME Stations?

	Latitude	Longitude	Antenna height (m)
Facility 1			
Facility 2			
…			
…			
Facility n			

    d. On a scale of 0 – 100%, how would you rate the average monthly availability of your NDB/VOR/DME Stations in the last one year?

    e. Do you have additional comments regarding the availability of your NDB/VOR/DME Stations?

2. a. Has your State implemented Approach and landing radio navigation stations (LOC/Glide/DMEs)?
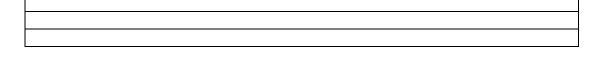   ☐Yes   ☐No

    b. If yes, how many?

LOC	
GLIDE/DME	

c. What are the coordinates (Location) of your Approach and landing radio navigation stations (LOC/Glide/DMEs)?

	Latitude	Longitude	Antenna height (m)
Facility 1			
Facility 2			
…			
…			
Facility n			

d. On a scale of 0 – 100%, how would you rate the average monthly availability of your Approach and landing radio navigation stations (LOC/Glide/DMEs) in the last one year?

e. Do you have additional comments regarding the availability of your Approach and landing radio navigation stations (LOC/Glide/DMEs)?

B. GNSS

a. Has your State promulgated National Regulations related to Global Navigation Satellite system (GNSS)?
☐Yes ☐No

b. Are there Aerodromes in your State with implemented GNSS Augmentation Systems (GBAS/SBAS)?
☐Yes ☐No

c. How many?

d. Has your State developed and implemented Global Navigation Satellite system (GNSS) procedures for the existing aerodromes?

e. How many?

f. Has your State promulgated National regulations related to PBN operations?
☐Yes ☐No

g. Has your State developed and published a Performance Based Navigation (PBN) implementation Plan?
☐Yes ☐No

h. How many?

i. How many fleet operating Augmented GNSS in Approach and landing phases are registered in your State?

j.   Number of Aircraft equipped with ABAS (GPS certified to TSO C-129a)

k.   Number of Aircraft equipped with SBAS (GPS certified to TSO C-145 or C-146)

l.   Number of Aircraft equipped with GBAS (GPS certified to TSO C-145 or C-146)

m. Do you have additional comments regarding the implementation of the GNSS and PBN in your State?

Section 2 : Frequency spectrum Available for CNS Service

A.   Preparation of ITU WRC

a.   Is the CAA in your State involved in the ATU WRC preparation?
☐Yes   ☐No

b.   If yes, which mechanism is used to bring the ICAO position into consideration in the scope of the ITU WRC preparation?

c.   Do you have additional comments regarding the ATU WRC preparation in your State?

B.   Monitoring and reporting interferences on Aeronautical spectrum

a.   Has your State developed a regulation for the reporting of identified interferences on aeronautical spectrum?
☐Yes   ☐No

b.   Has your State developed a mechanism for the monitoring of frequency spectrum interference?
☐Yes   ☐No

c.   If yes, which mechanism is implemented in this regard?

d. On a scale of 0 – 100%, how would you rate the average number of identified frequency interference reported in your State during the last one year?

e. Do you have additional comments regarding the monitoring and reporting of interferences on aeronautical spectrum?

Section 3 : Others

A. CNS data collection

B. Security of CNS infrastructure

    a. Has your state registered the assigned frequency of the aeronautical spectrum at the ITU?
    ☐Yes   ☐No

    b. Is the navigation infrastructure in your State protected against unauthorized access?
    ☐Yes   ☐No

    c. If yes, which mechanism is implemented in this regard?

    d. Do you have additional comments regarding the monitoring and reporting of interferences on aeronautical spectrum?

C. Contingency and backup