

**SURVEILLANCE INFRASTRUCTURE IN THE AFI REGION -
QUESTIONNAIRE**

Section 1 –Primary Surveillance Radar (PSR)

PLEASE PROVIDE THE NAME OF STATE /FIR

1. a. Do you have a Primary Surveillance Radar (PSR)?

Yes

No

b. Which company supplied your primary surveillance radar? _____

c. What is the coverage of your primary surveillance radar (PSR)?

_____NM

d. What are the coordinates (location) of your PSR?

_____ LATITUDE _____ LONGITUDE

e. On a scale of 0 – 100, please provide the monthly availability of your system in the last one year?

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h. Do you have additional comments on the availability of your PSR?

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Section 2 –Secondary Surveillance Radar (SSR)

2. a. Do you have secondary surveillance radar?

Yes

No

b. Which company supplied your secondary surveillance radar? _____

c. How many SSRs do you have? _____

d. Are you able to achieve total coverage of your continental Airspace with your SSRs?

Yes

No

e. What is the coverage of your secondary surveillance radar?

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| _____NM |
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f. Please fill the table of coverage below;

| Range (NM) | 100 | 150 | 180 | 220 |
|--------------------------------------|-----|-----|-----|-----|
| Vertical Coverage/Flight level (Fts) | | | | |

g. What are the coordinates (location) of your SSR antenna?

_____ LATITUDE _____ LONGITUDE

h. On a scale of 0 – 100, please provide the monthly availability of your system in the one year?

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i. Do you have additional comments on the availability of your SSR?

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j. Does your SSR have MODE-S capability?

Yes

No

k. What are your MODE-S II codes?

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l. What are your MODES SI codes?

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m. Do you have any issues with the assignment of ICAO 24 -bits aircraft address?

Yes

No

n. If yes, how have you able to resolve it?

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**Section 3 – AUTOMATIC DEPENDANT SURVEILLANCE –BROADCAST
(ADS-B)**

3. a. Do you have ADS-B?

Yes

No

b. Which company supplied your ADS-B? _____

c. What is the coverage of your ADS-B unit/s?

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d. What are the coordinates of your ADS-B sensor/s?

_____ LATITUDE _____ LONGITUDE

e. On a scale of 0 – 100, how would you rate the availability of your ADS-B system?

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f. Do you have additional comments on the availability of your ADS-B system?

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Section 4 – WIDE AREA MULTILATERATION SYSTEM (WAM/MLAT)

4. a. Do you have WAM/MLAT?

Yes

No

b. Which company supplied your WAM/MLAT? _____

c. What is the coverage of your WAM/MLAT?

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e. On a scale of 0 – 100, how would you rate the availability of your WAM/MLAT system?

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f. Do you have additional comments on the availability of your WAM/MLAT system?

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Section 5 – AUTOMATIC DEPENDANT SURVEILLANCE –CONTRACT (ADS-C)

5. a. Do you have ADS-C?

Yes

No

b. Which company supplied your ADS-C? _____

c. Which company provides your data link service?

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d. On a scale of 0 – 100, please provide the monthly availability of your system in the last
One year?

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e. Do you have additional comments on the availability of your ADS-C system?

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Section 6 – Surveillance Data Processing and Interface / Air Traffic Management System

6. a. What communication link infrastructure is used to transport your surveillance data from the sensors to your Air Traffic Management System?

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b. Which company supplied your Air Traffic Management System? _____

c. What is the model name of your Air Traffic Management System? _____

b. What surveillance sensor protocol (ASTERIX) does your Air Traffic Management (ATM) System support?

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c. Does your system support AIDC?

Yes

No

d. Does your system support OLDI?

Yes

No

e. Does your system use IP or serial line interface? _____

7. GENERAL COMMENTS

Do you have any comments other than what has been captured by the questionnaire?

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