

AFOSA DATABASE PROPOSED TECHNICAL SPECIFICATIONS

General

1. A digital transactional service for users to submit, collect, analyse, and disseminate inspection reports. The system will be used by 10 States.
2. The system caters to 3 types of users – Inspector, Country Coordinator and Program Coordinator. The Inspectors and Country Coordinators are from the respective ASEAN Member States, while the Program Coordinators are from the Lead National Coordinator's team.
3. The system will be used by approximately 45 Inspectors, 10 Country Coordinators and 5 Program Coordinators.

Inspector (INS)

4. INS can login to the system via ID and password with 2FA. INS can perform password recovery by themselves.
5. INS can update his/her profile.
6. After login, INS will see a dashboard with summary of inspections reports and findings submitted by different countries. INS can view any inspection reports and findings in details.
7. INS can create and submit an inspection report with file (images or PDFs) attachments and findings. INS can print his submitted inspection report.
8. INS can save an inspection report as draft to continue later.
9. INS can update the follow up actions of his/her finding and close the finding.
10. INS can search for inspection report based on fields in the inspection report.
11. INS can view reports (graphical charts).

Country Coordinator (CC)

12. CC can login to the system via ID and password with 2FA. CC can perform password recovery by themselves.
13. CC can update his/her profile.
14. After login, CC will see a dashboard summary of inspections reports and findings submitted by different countries. CC can view any inspection reports and findings in details.

15. CC can view and amend the report submitted by his country INSSs.
16. CC can search for inspection report based on fields in the inspection report.
17. CC can view reports (graphical charts).
18. CC can create, view, edit and delete accounts of his country INSSs.

Program Coordinator (PC)

19. PC can login to the system via ID and password from web-based server. PC can perform password recovery by themselves.
20. PC can update his/her profile.
21. After login, PC will see a dashboard summary of inspections reports and findings submitted by different countries. PC can view any inspection reports and findings in details.
22. PC can search for inspection report based on fields in the inspection report.
23. PC can generate, configure and view reports (graphical charts).
24. PC can perform trend analysis on reports submitted by different users.
25. PC can create, view, edit and delete accounts of CC and INSSs.
26. PC can manage the role and access for CC and INSSs.

System wide

27. System will ensure every account is unique.
28. System will notify INSSs and CC if a finding has been outstanding for too long.
29. System will generate reports (graphical charts) every half yearly and send the reports to the CC and INSSs.
30. System will maintain an audit trail of actions carried by all users of the system.

Graphical Charts which the system should be able to generate

31. Number of inspections performed on airline operator

32. Number of findings for airline operator
33. Number of findings by categories by airline operator
34. Comparison of data among different operators
35. Number of inspections performed on aircraft type/registration
36. Number of findings by aircraft type/registration
37. Number of findings by categories by aircraft type/registration
38. Number of inspections by year
39. Number of findings by year
40. Number of inspections by country
41. Number of findings against number of inspections by country
42. Top 5 findings against number of inspections per year