Workshop on the management of Air Navigation Deficiencies

AFI Air Navigation Deficiencies Database – AANDD

September 2025

Outline

- Introduction
- Access to the system
- Reporting deficiencies
- Resolving deficiencies
- Actions by the State
- Reporting to APIRG

Introduction

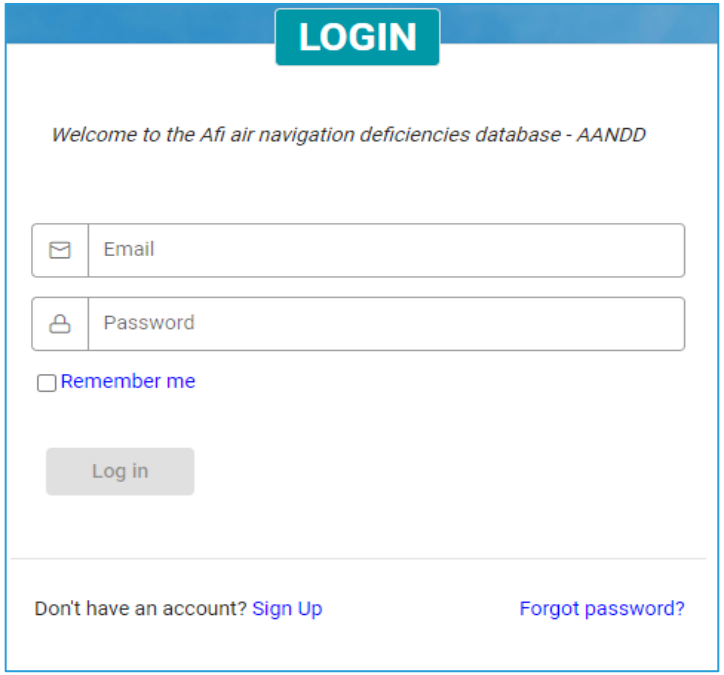
- In order to support the implementation of the **Uniform Methodology** for the identification, assessment and reporting of **deficiencies**, it has been established for the AFI Region, a **web-based platform**, the AFI Air Navigation Deficiencies Database (**AANDD**).
- The AANDD application provides an online tool for **States** and relevant **stakeholders** to manage air navigation deficiencies in the region. The application is accessible through the link: https://aandd.icao.int.

Access to the system - Users

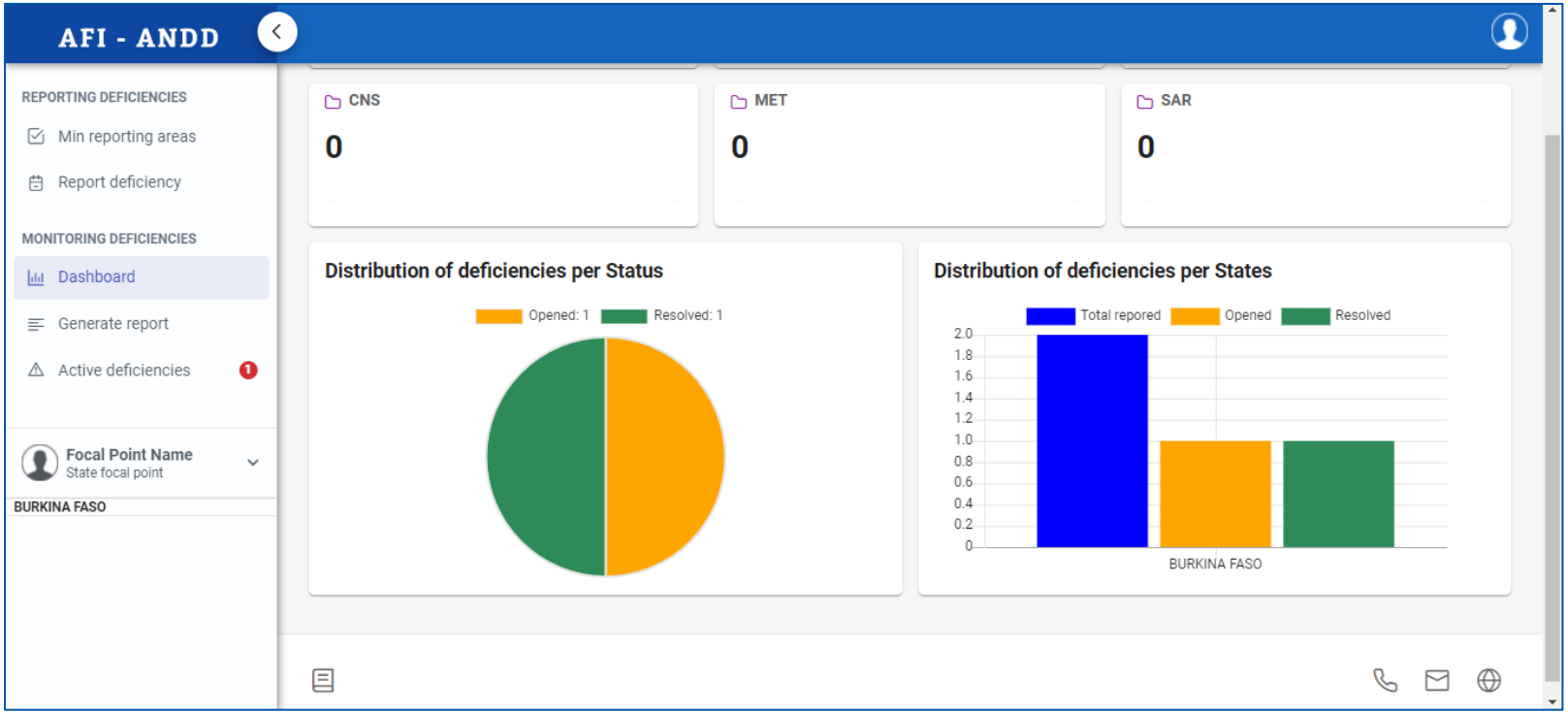
- The following users can have access to the system, provided they were nominated by their Administration/Organization:
  - ICAO Regional Offices users,
  - States users (Focal points and DGCA, ANSP users),
  - RSOOs Focal points
  - Users Organizations Focal points,
  - Professional Organizations Focal points.
- User must authenticate through a valid user account.

Access to the system - Login

- **Login** with your email and password
- Were you nominated by an Administration/Organization and you still don't have a user account in the system, then **Sign up**, and wait for the activation of your account by the system administrator.
- Did you forget your password, click on "**Forgot password?**" to reset it.

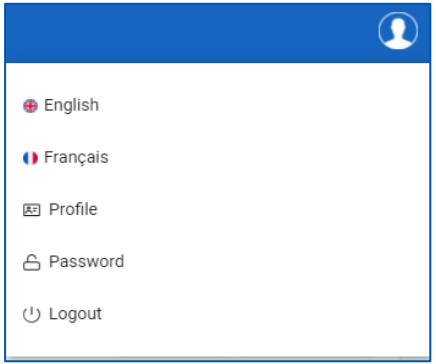


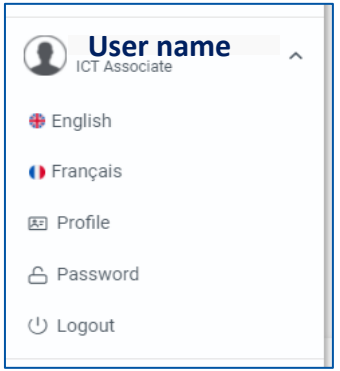
Access to the system – Application page



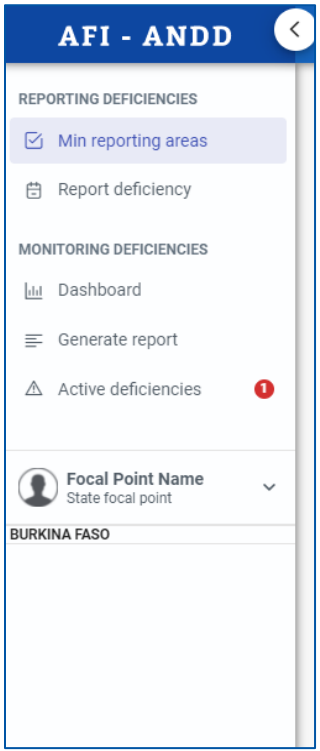
Access to the system – User profile

- The application is in **English** and **French**. To change the display language, click either on the **Top user icon** or on the **Left user icon**.
- The **user name** is displayed in front of the **Left user icon**. To change it, expand one of the menus and click on the item Profile.
- To change your **password**, expand one of the menus and click on the item *Password*.





Reporting deficiencies – Min reporting areas



Minimum Reporting Areas

Report

AIM - Aeronautical Information Management

AOP - Aerodrome operations

ATM/SAR - Air Traffic Management, Search and Rescue

CNS - Communication Navigation Surveillance

MET - Aeronautical meteorology

Area	Reference	Description	Remarks
AOP	Annex 14 - Vol 1, Chapter 1 PANS-Aerodromes, Part 1, 2	Aerodrome Master Plan	The lack of airports master plans affect their short to medium term capacity enhancement projects; restricting their ability to fulfil capacity needs.
AOP	Annex 14 - Vol 1, Chapter 2, 3 PANS-Aerodromes, Part 1, 2 AFI ANP, Vol II - AOP	Runways	Deficiencies in the provision of adequate runways may adverse safe take-off and landing of aeroplanes they are intended to serve. In view of the vital function of runways in providing for safe and efficient aircraft landings and take-offs, it is

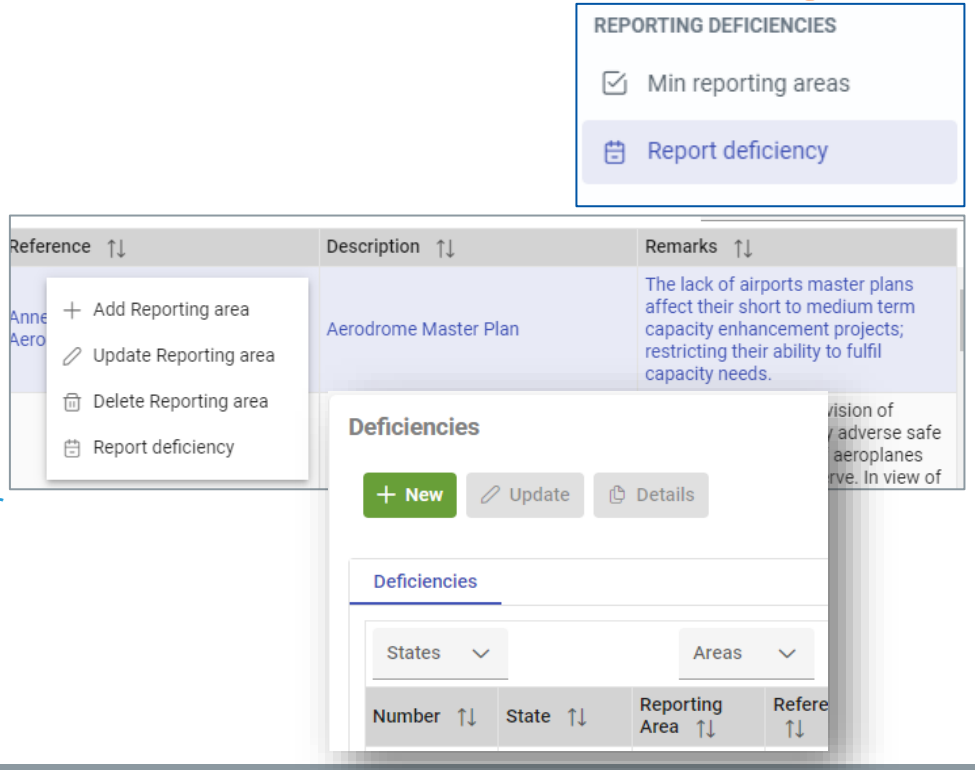
Reporting deficiencies – Create deficiency

- All users can report a deficiency concerning any State. Deficiency can be reported through 3 options:

  a) Click on the menu item ***Report Deficiency***

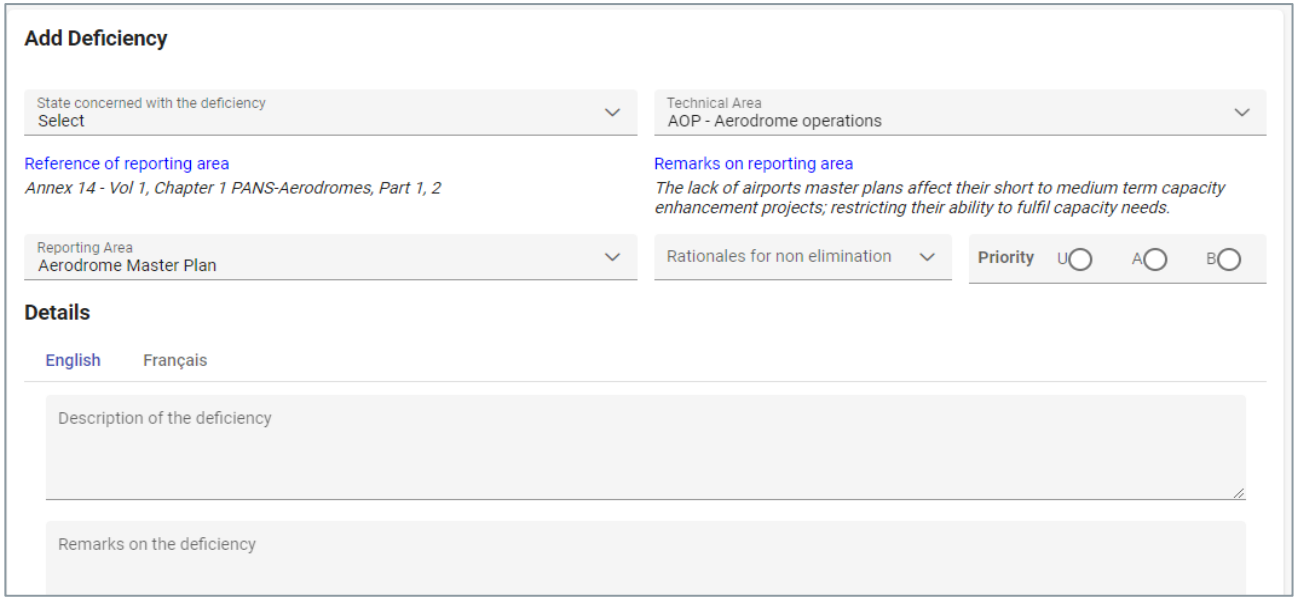
  b) From the List of minimum reporting areas, ***select*** the **Minimum reporting area** then click on the context menu item ***Report deficiency***, or on the button [***Report***]

  c) From the List of deficiencies, Click on the button [**New**]



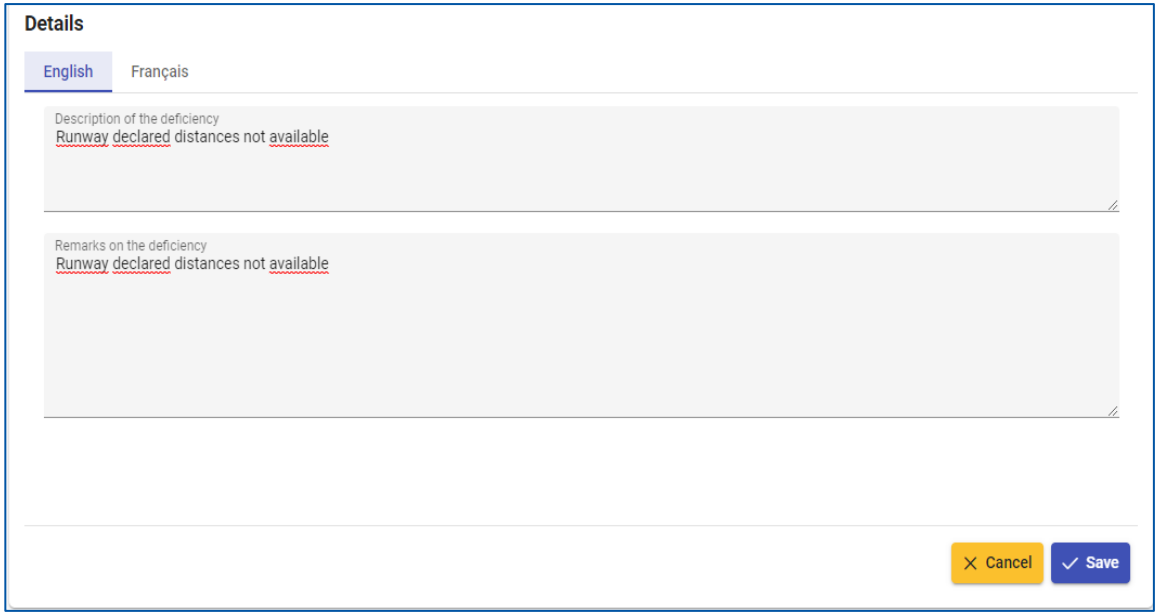
Reporting deficiencies – Create deficiency

- All these options will open the same form for creating a new deficiency
- With option b), ***Technical area*** and ***Minimum reporting area*** are prefilled.



Reporting deficiencies – Attachments

- When reporting a deficiency, some files may be attached as follows:
  - Fill the deficiency creating form and click on the [**Save**] button.
  - If the deficiency is successfully saved, an additional box is displayed for the attachments.



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Reporting deficiencies – Attachments

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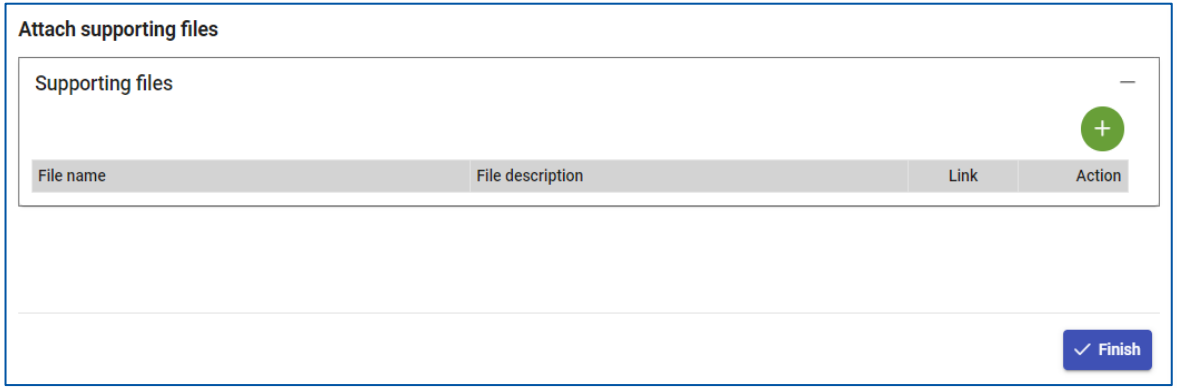
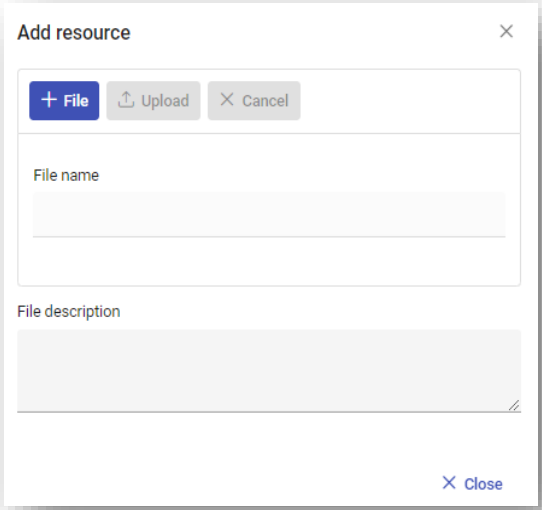
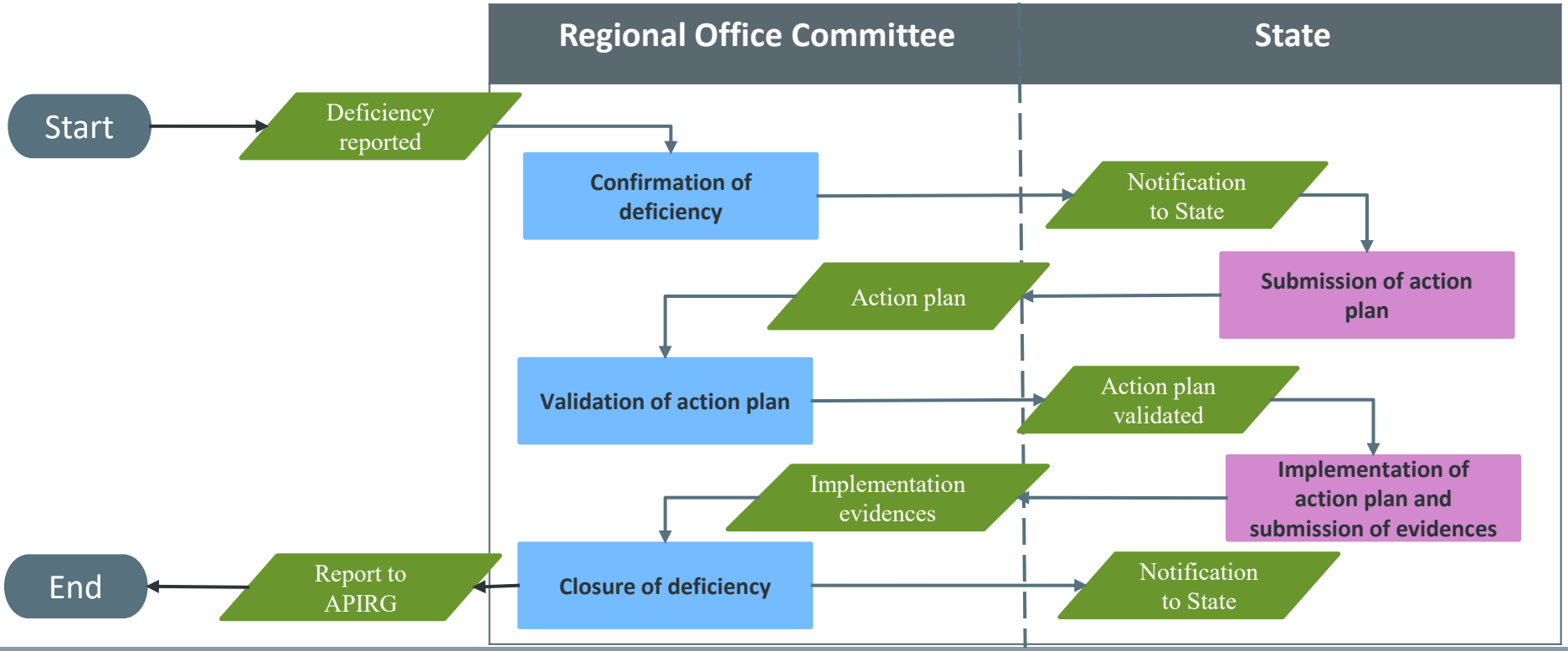




- Attach the supporting files by clicking on the Plus Button
- When all files are attached, click on the [**Finish**] button to complete the process
- *You will received an email acknowledging receipt of the report*

Resolving deficiencies – Normal process

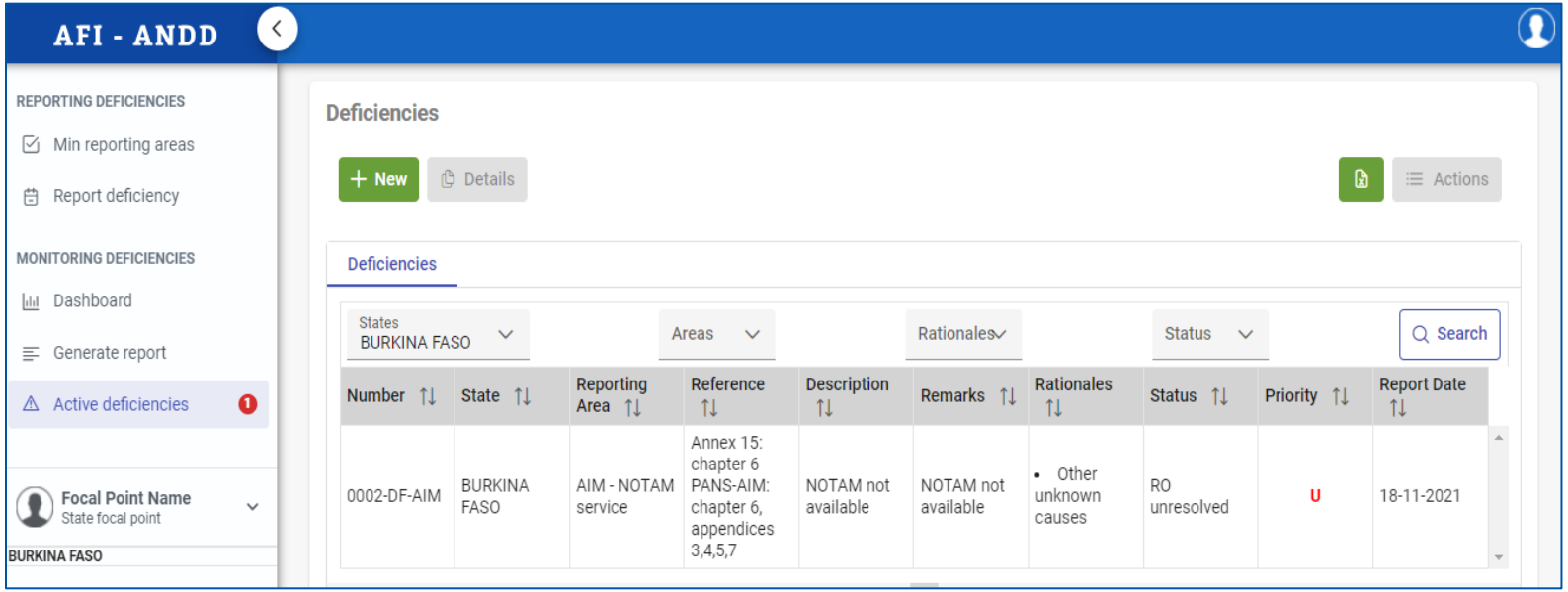


Resolving deficiencies – Complete flow chart

Complete flow chart

Resolving deficiencies – Active deficiencies

- Deficiency confirmed by the ICAO Regional Office Committee or by APIRG is considered as an "***Active deficiency***" until it has been resolved and closed.



Actions by the State – Corrective actions

- **State Focal point** should provide **corrective actions** to the deficiency. From the List of deficiencies, when a **deficiency** is **selected**, its corrective actions display.

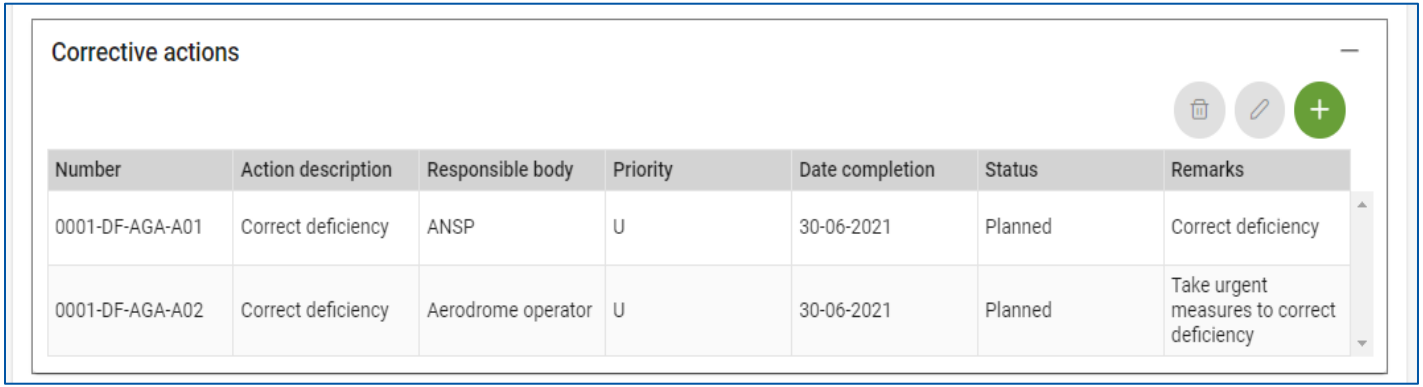
0002-DF-AGA	Burkina Faso	AOP - Aerodrome Master Plan	Annex 14 - Vol 1, Chapter 1 PANS-Aerodromes, Part 1, 2	Test report deficiency 2	This is a test report deficiency 2	A	Approved	18-05-2021
0001-DF-AGA	Burkina Faso	AOP - Aerodrome Master Plan	Annex 14 - Vol 1, Chapter 1 PANS-Aerodromes, Part 1, 2	Test report deficiency	This is a test report deficiency	A	Approved	20-05-2021

Corrective actions

Action description	Responsible body	Priority	Date completion
Correct deficiency	ANSP	U	30-06-2021
Correct deficiency	Aerodrome operator	U	30-06-2021

Actions by the State – Corrective actions

- Corrective actions are **created**, **updated** or **deleted** from the **Details** of deficiency:
  - **Select** the deficiency and click on the button [**Details**]
  - Go to the section "***Corrective actions***" and click on the button ⊕ to **add** an action,
  - Select an action and click on the button ✎ to **update** it or the button 🗑 to **delete** it.

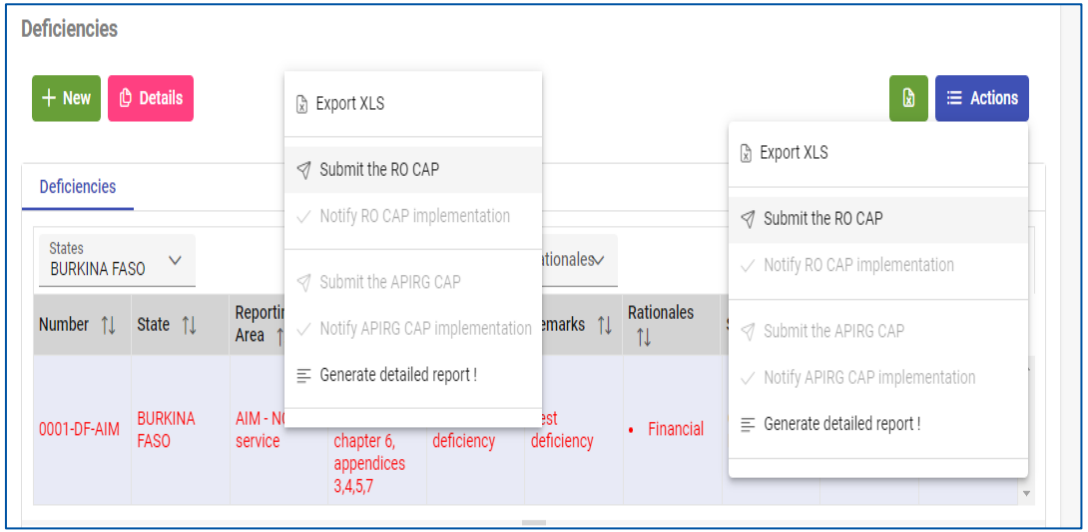


Corrective actions

Number	Action description	Responsible body	Priority	Date completion	Status	Remarks
0001-DF-AGA-A01	Correct deficiency	ANSP	U	30-06-2021	Planned	Correct deficiency
0001-DF-AGA-A02	Correct deficiency	Aerodrome operator	U	30-06-2021	Planned	Take urgent measures to correct deficiency

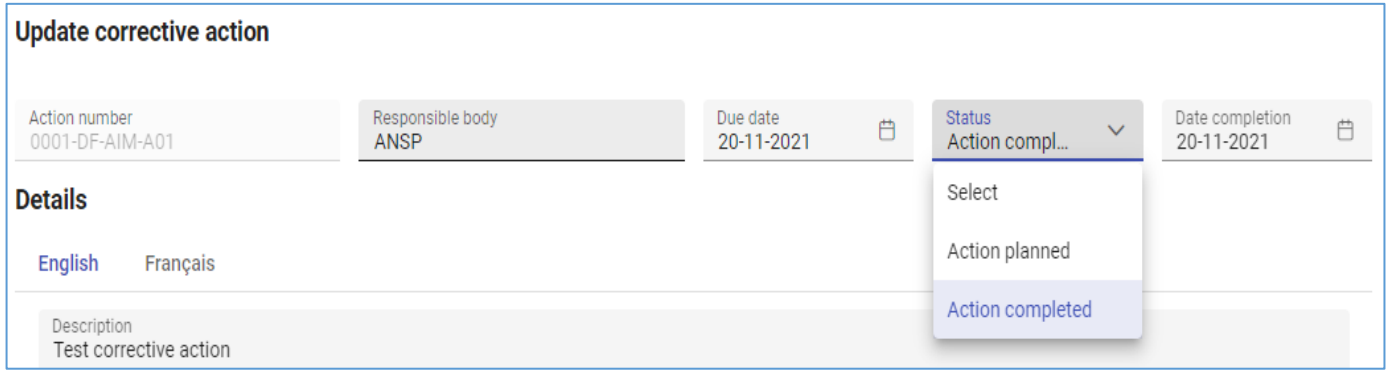
Actions by the State – Action plan submission

- Once all corrective actions are created in the system, as well as supporting files attached, the action plan should be submitted:
  - **Select** the deficiency
  - From the context menu or the menu under the button [**Actions**], click on item "***Submit the RO CAP***" or "***Submit the APIRG CAP***"
- Regional Office Committee to **validate** the plan, if acceptable



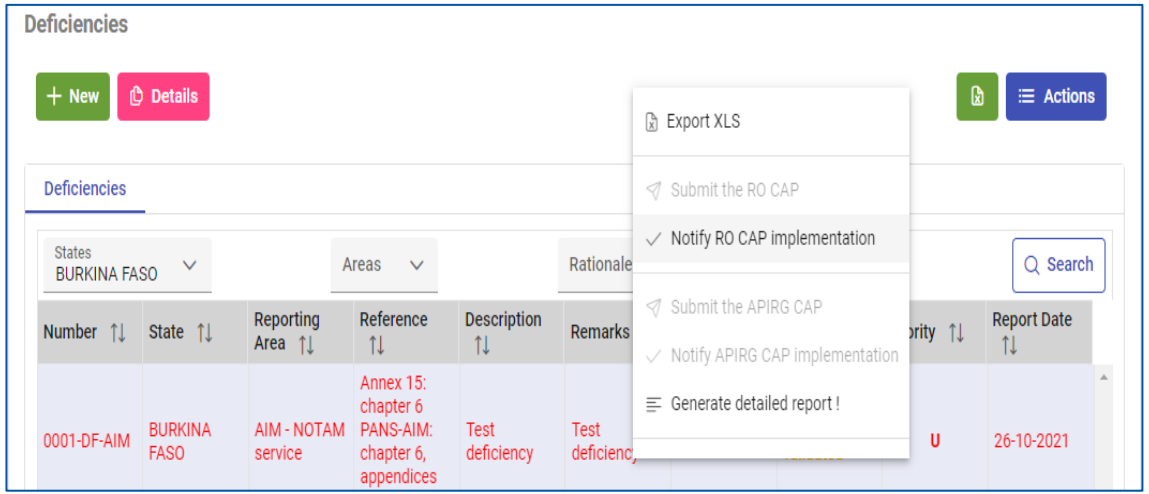
Actions by the State – Action plan implementation

- After the **corrective action plan** has been **validated** by the ICAO Regional Office Committee, State should **implement** it and **submit** the evidences as follows:
- Update the implementation status of each corrective action
- Upload evidences as attachments to the deficiency



Actions by the State – Action plan implementation

- Notify the completion of the action plan implementation
  - **Select** the deficiency
  - From the context menu or the menu under the button [**Actions**], click on item "***Notify RO CAP implementation***" or "***Notify APIRG CAP implementation***"
- Regional Office Committee to **review evidences**, and close deficiency, if satisfactory



Reporting to APIRG – Unresolved deficiencies

- When a deficiency confirmed by the ICAO Regional Office Committee was not timely resolved, through the normal process, it will be **reported** to **APIRG** for review.
- The status of the deficiency is marked as unresolved.
- The State is notified that the **deficiency is still unresolved** and should be **discussed** at the **APIRG meeting**.
- If APIRG endorses the deficiency, the State is notified and urged to submit action plan.

Reporting to APIRG – Closed deficiencies

- If corrective actions are taken in time to resolve a deficiency, the case is closed and captured in the AANDD.
- The APIRG meeting is informed of the closed deficiencies.
- The monitoring process of a given deficiency ends after its closure has been reported to the APIRG meeting.

ICAO

North American Central American and Caribbean (NACC) Office
Mexico City

South American (SAM) Office
Lima

ICAO Headquarters
Montréal

Western and Central African (WACAF) Office
Dakar

European and North Atlantic (EUR/NAT) Office
Paris

Middle East (MID) Office
Cairo

Eastern and Southern African (ESAF) Office
Nairobi

Asia and Pacific (APAC) Sub-office
Beijing

Asia and Pacific (APAC) Office
Bangkok

THANK YOU