



**AMCOMET**

**Status of African Countries in meeting the ICAO  
Requirement Compliance on Quality Management  
Systems (QMS) & Competency Assessment and  
Documentation**

**Second Task Force Meeting of AMCOMET  
26 - 28 May 2014**

**Jay Wilson, Senior AMCOMET Liaison  
for Scylla Silayo  
Aeronautical Met Division, WDS Dept.  
World Meteorological Organization**

[www.wmo.int/amcomet](http://www.wmo.int/amcomet)



# Presentation Outline

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- 1. What is QMS**
- 2. Areas of QMS relevant to NMHSs**
- 3. Steps in the QMS process**
- 4. QMS Statistics in Africa**
- 5. Competency Assessment and Documentation**
- 6. Competency Assessment Statistics in Africa**
- 7. QMS and Competency Status**
- 8. Way Forward**



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# What is QMS?



**Quality Management System (QMS) is a standard by which countries must comply in providing specialised services to stakeholders.**



# Areas of QMS Relevant to NMHSs

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For instance, the International Civil Aviation Organisation (ICAO) demanded to have aeronautical meteorological services produced by NMHSs to attain ISO-Certification through a QMS, **to enable safety of air navigation by November 2012.**

In the same vein, the International Maritime Organization (IMO), in collaboration with Joint Commission of Oceanography and Marine Meteorology (JCOMM), **may demand for ISO-Certification**, through QMS, for services on maritime transport.

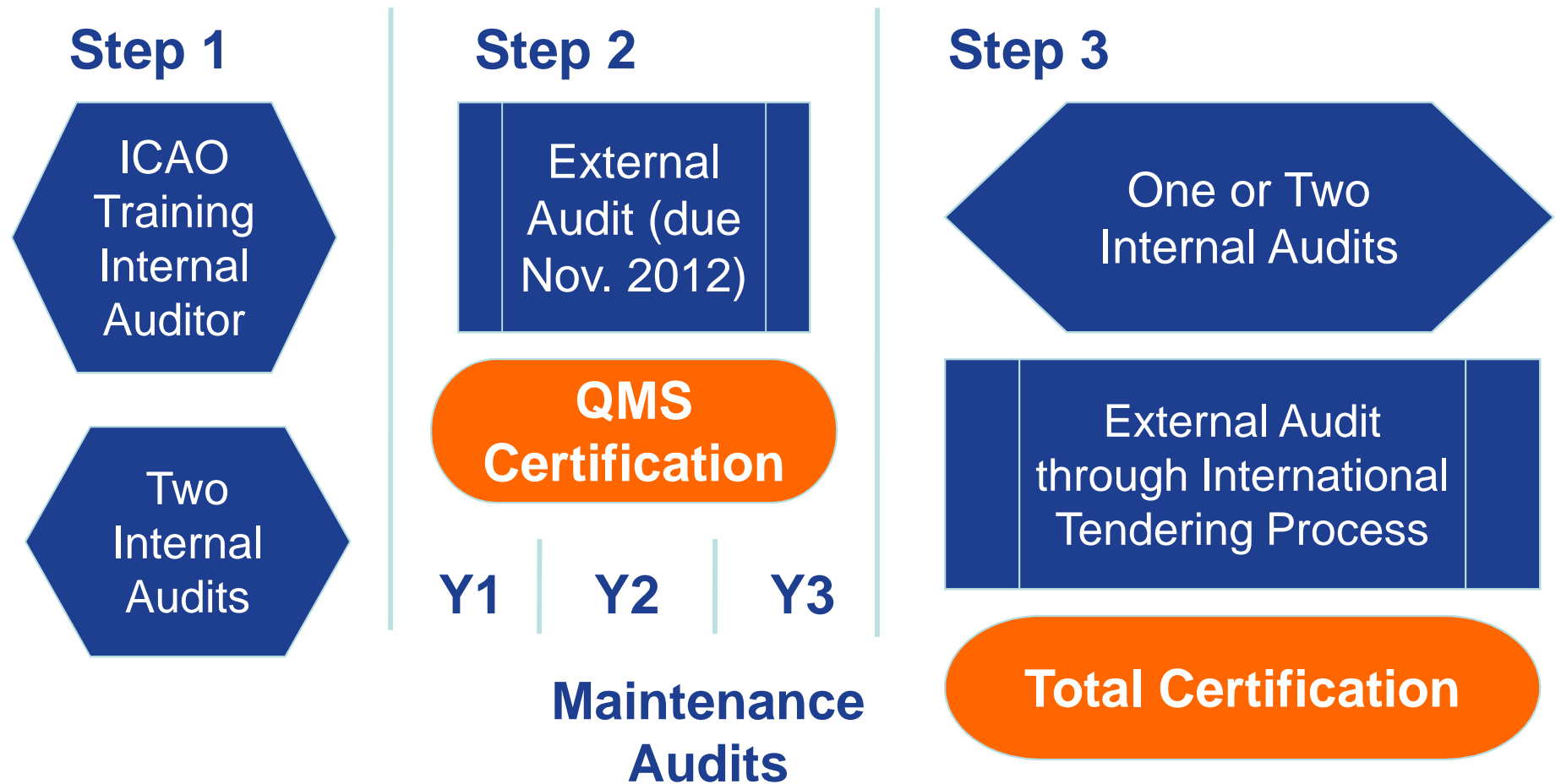


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# Consequences of not complying with ICAO QMS & CA Standards

1. A country must issue a **Notice To Airmen (NOTAM)**, indicating that it is **unable to issue aeronautical meteorological services** that meet ICAO standards for air navigation over the country's air space
2. The long haulier planes carrying passenger and cargo will be advised to **overfly the country** due to safety considerations
3. This may have a **negative impact** on the economy of the country in terms of **tourism and trade and commerce**.

# QMS Certification Process



**COSTLY PROCESS CAUSING SLOW PROGRESS**

**12 of 54 Countries ISO 9001 2008 Certified**



# QMS Certification Status of African Countries

Angola

**Egypt**

**Kenya**

Mauritius

Mozambique

Namibia

Nigeria

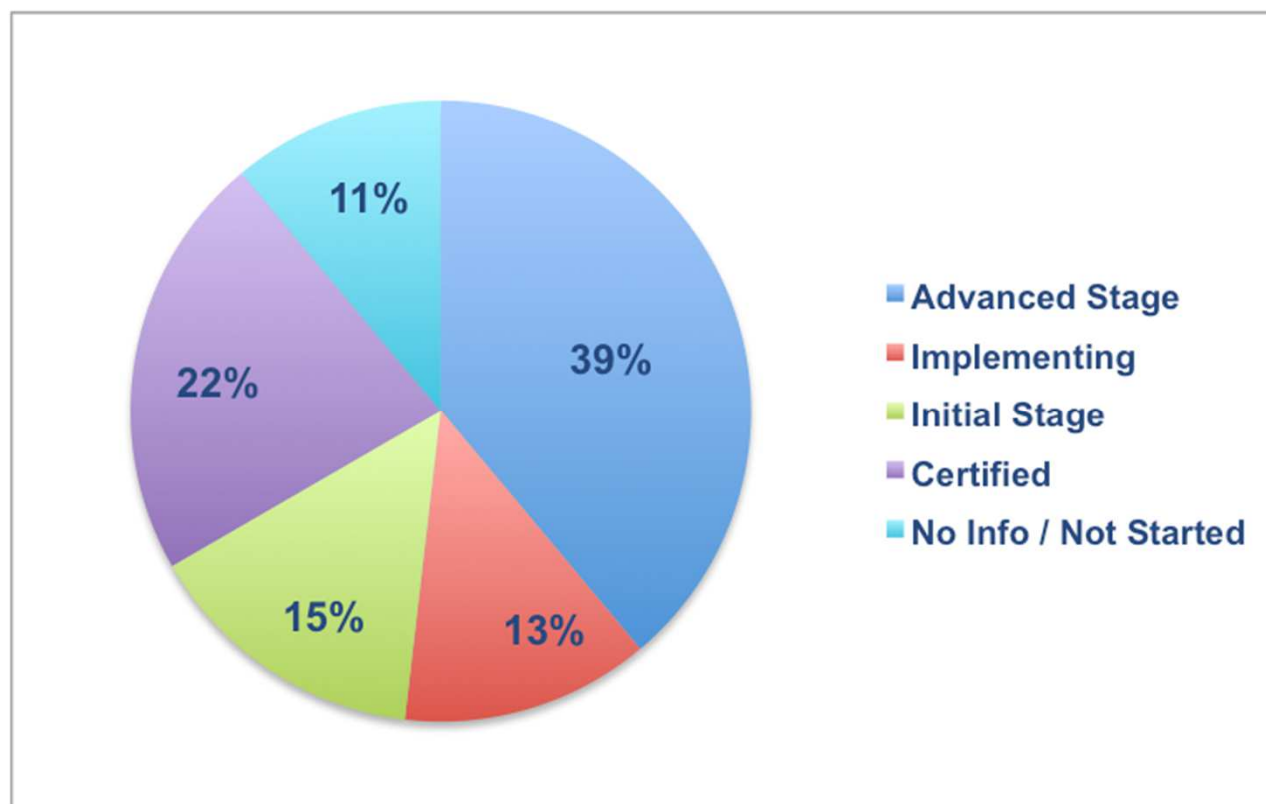
South Africa

**Sudan**

**Tanzania**

**Tunisia**

Zimbabwe





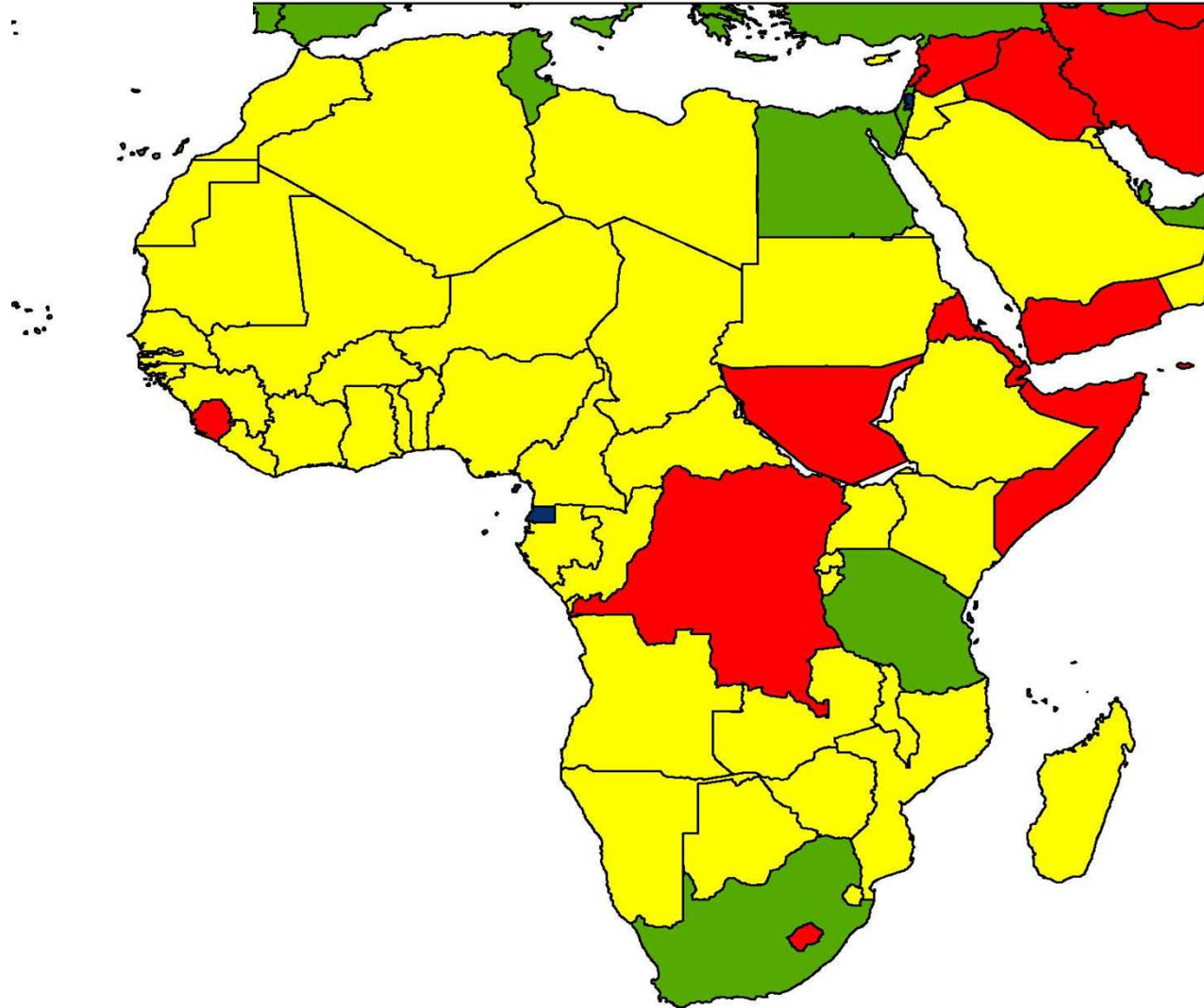
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# RAI QMS Status Sept. 2012

No Evidence

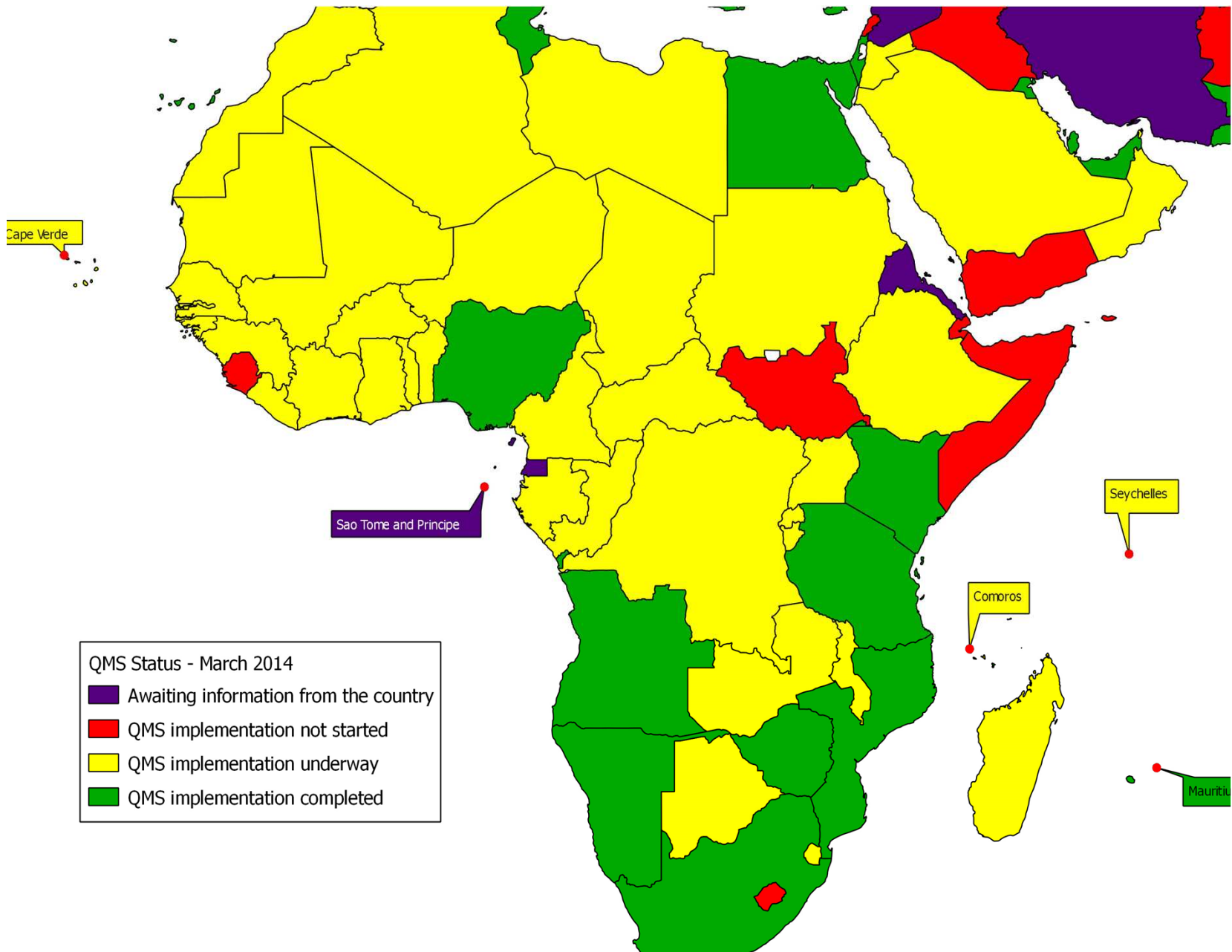
Implementing

Certified





# RA-I QMS Status March 2014





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# Competency Assessment and Documentation

- For International Air Navigation Personnel (forecasters in aviation meteorology must be competent)
- Deadline was **December 1, 2013**
- Standard **Requirement of which WMO** is in charge and is also a standard in **ICAO Annex 3 (2.1.5)**
- **Performed in parallel with QMS Certification**
- Country performed assessments but are **resource intensive** which have to be **done every 2 years**
- Non compliance calls for a **filing of difference** with ICAO

*Note: A uniform application of a 'standard' is recognized as necessary for the safety or regularity of international air navigation and to which Members will conform in accordance with the convention; in the event of impossibility of compliance, notification to the Council is **compulsory** under article 38*



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# Competency Assessment Status of African Countries for Aeronautical Personnel

**Tunisia**

**Zambia**

**Mali**

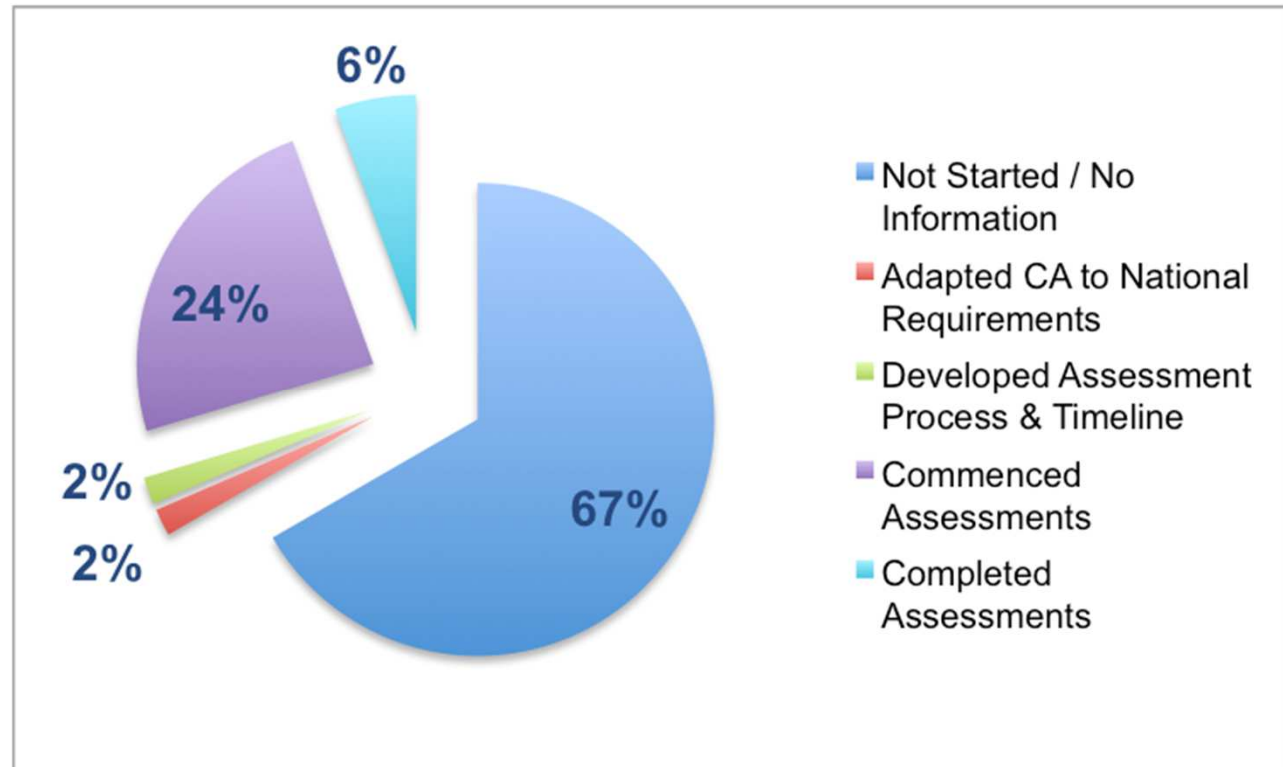
**Tanzania**

**Uganda**

**Kenya**

**Mauritius**

**Sudan**



ASECNA Countries who have commenced Assessments: Benin, Burkina Faso, Cameroon, Comoros, Cote d'Ivoire, DR Congo, Madagascar, Niger, Nigeria



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# QMS and Competency Assessment Status

- Since the Nairobi Ministerial Declaration in April 2010, WMO has continued to work with Members on QMS
  - **Workshops**
  - **1:1 WMO Secretariat communication with Quality Managers of Member States**
  - **Perform Gap Analysis Questionnaires**
  - **Arranging Twinning Partnerships**
- Same efforts are now in place for Competency Assessments for Staff serving International Air Navigation
- Competency Assessment Toolkits are available from WMO

**<http://www.caem.wmo.int/moodle/>**

[www.wmo.int/amcomet](http://www.wmo.int/amcomet)



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# QMS & Competency Assessment

## Way Forward

- A healthy QMS after certification requires **continual improvement**; which needs **resources**
- Corrective actions following maintenance audits need to be **budgeted upfront**
- Competency assessments also need to be **budgeted upfront**
- To have the necessary and flexible budget, Members have to seriously consider implementing cost recovery!
- **Cost recovery strongly facilitated where QMS is in place and working**



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## Thank you

[amcomet@wmo.int](mailto:amcomet@wmo.int)

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# Competency Assessment and Documentation

- CA must be done **per airport location & season**
- Competency Assessment Toolkits are available from WMO
  - Countries develop their own assessment tools customised for their needs
  - Perform Assessment
  - Put a Record on national files for all staff serving international Air Navigation
  - Each Personnel must pass CA every two or three years