Australian Government
Bureau of Meteorology

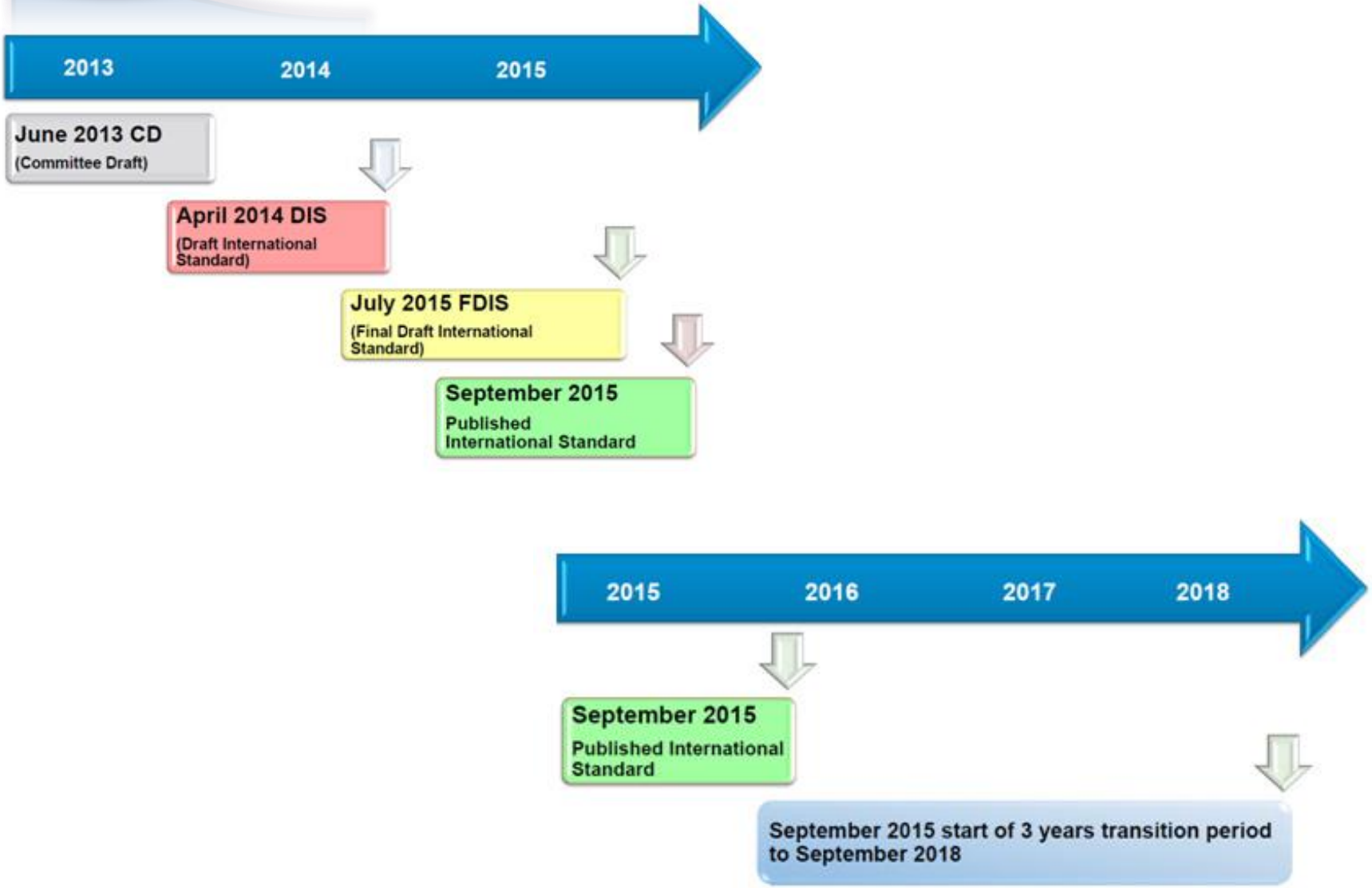
The new ISO 9001:2015 Standard

Overview of Changes

January 2015

Helen Tseros
Australian Bureau of Meteorology

Timeline ...


2013
2014
2015
June 2013 CD
(Committee Draft)
April 2014 DIS
(Draft International Standard)
July 2015 FDIS
(Final Draft International Standard)
September 2015
Published International Standard
2015
2016
2017
2018
September 2015
Published International Standard
September 2015 start of 3 years transition period to September 2018

What has changed?

Annex SL

- Annex SL is the structure for all new & revised ISO Standards
- Annex SL defines the framework for a generic management system
- All new ISO management standards will use this framework & will migrate at their next revision

Benefits

- Consistency/compatible across all standards
- Reduce conflicts & duplication from different management system standards
- Ability to easily migrate other management systems into one, such as OH&S, environment etc
- Minimise replication of documentation

Change in Structure

- The term "product" has been replaced by "goods & services"

- New language such as ‘context of the organization’ ‘risk based thinking’ & ‘documented information. Two new clauses related to the context of the organization have been added (4.1 & 4.2)

- The requirement to use process approach has been made more explicit by adding a new clause (4.4.2)

Change in Structure cont'd ....

- Greater emphasis on risk based approach which has replaced preventive action
- Current requirement for six mandated procedures deleted - new requirement for organizations to maintain ‘documented information’
- The terms "document" & "records" have been replaced with "documented information"
- The term "continual improvement" has been replaced with "improvement"

KEY ELEMENTS
ISO 9001:2015

4. Context of the organisation

5. Leadership

6. Planning

7. Support

8. Operation

9. Performance evaluation

10. Improvement

4. Context of the organisation

~ Understanding the organisation & its context ~

~ Understanding the needs & expectations of interested parties ~

~ Determining the scope of the QMS ~

~ The QMS ~

~ Process approach ~

5. Leadership

~ Leadership & commitment ~

~ Quality policy ~

~ Organisational roles, responsibilities & authorities ~

6. Planning

~ Actions to address risks & opportunities ~

~ Quality objectives & planning to achieve them ~

~ Planning of changes ~

7. Support

~ Resources ~

~ Competence ~

~ Awareness ~

~ Communication ~

~ Documented information ~

8. Operation

~ Operational planning & control ~

~ Determination of market needs & interactions with customers ~

~ Operational planning process ~

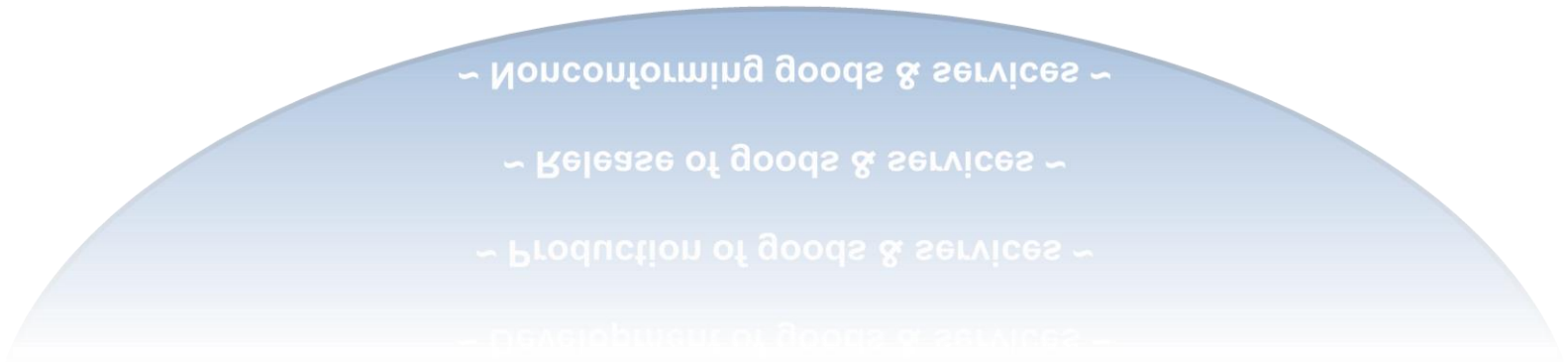
~ Control of external provision of goods & services ~

~ Development of goods & services ~

~ Production of goods & services ~

~ Release of goods & services ~

~ Nonconforming goods & services ~



9. Performance evaluation

~ Monitoring, measurement analysis & evaluation ~

~ Internal Audit ~

~ Management Review ~

10. Improvement

~ Nonconformity & corrective action ~

~ Improvement ~

1. Scope

- Current specific requirements regarding exclusions have been deleted.

2. Normative References

- There are no normative references. However, the number for this clause has been included to maintain alignment.

3. Terms & Definitions

- Clause has been expanded to include revision of current terms with reference to the new ISO9000 standard regarding terms & definitions to be released

4. Context of the Organisation

- New requirement that the organisation has determined the internal & external issues such as legal, technological, competition, social, economic etc (4.1)

- The needs & expectations of ‘interested parties’ (stakeholders) needs to be included (4.2)

- Risks & opportunities must be determined (risk register)

- Quality Manual no longer a requirement

5. Leadership

- Objectives have been moved to Clause 6
- Management Review has been moved to Clause 9
- There is no longer a requirement for a Management Representative

6. Planning for the Management System

- New requirement to integrate into the QMS actions taken to address risks & opportunities

- Quality Objectives expanded to include what will be done, resources required, who will be responsible, when it will be completed & evaluation of results.

7. Support

- Includes resource management, control of monitoring & measuring equipment, control of documents & records (now documented information)

- New requirement for external communication

- Current clause on human resources (6.2) has been split into organisational knowledge & competence & includes extra emphasis on intellectual knowledge & knowledge gaps.

8. Operation

- Covers current clause 7 (product realisation)

- Current purchasing clause has been reworded to ‘control of externally provided products & services’

- New requirement to cover unplanned changes that can affect production or service provision.

9. Performance Evaluation

- Includes part of the current clause on measurement, analysis & improvement, together with the current management review requirements.

10. Improvement

- Includes the remainder of clause 8
- Preventive action has been deleted in favour of numerous mentions on risk management

Next Steps

- Proposed transition period - 3 years from standard publication

- Obtain a copy of the new ISO/DIS 9001:2015

- Conduct a 'gap analysis' using our 2015 gap analysis tool available on our website

- ISO9001:2008 vs 2015 comparison table available on our website

Next Steps

- Re-assess status of your QMS: too much documentation? user friendly? is it possible to integrate other compliance criteria into one manageable system?

- Talk to your certification body auditor

- Train/educate staff including your internal audit team & those responsible for the about the changes

- Create a transition plan that maps out how you will manage the process to achieve ISO 9001:2015 certification

- Communicate to interested parties that the changes are occurring & the transition is being managed

- Use your internal audit process to validate changes

QM Resources

Our services

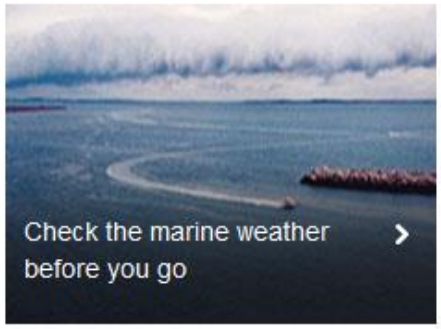
- Agriculture
- Climate and Past Weather
- Water Information
- Aviation Weather Services
- Marine and Ocean
- UV and Sun Protection
- Environmental Information
- Registered Users and Data Services

News and events

- Latest media releases
- Latest ENSO wrap-up
- Special climate statements
- Bureau annual report 2012-13
- Service announcements
- All news and events

Specialised services

- Climate change
- Research (CAWCR)
- WMO activities
- Commercial weather services
- Defence services
- Space weather services



- ABOUT THE WMO (Home)
- AUSTRALIA'S ROLE IN THE WMO
- WMO OPERATIONAL INFORMATION
- CLIMATE ACTIVITIES IN THE WMO
- QUALITY MANAGEMENT

World Meteorological Organization

The WMO is a specialised agency of the United Nations. Its purpose is to facilitate international cooperation in the establishment of networks of stations for making Meteorological, hydrological and other observations; and to promote the rapid exchange of meteorological information, the standardization of meteorological observations and the uniform publication of observations and statistics. It also furthers the application of meteorology to aviation, shipping, water problems, agriculture and other human activities, promotes operational hydrology and encourages research and training in meteorology.

The World Meteorological Organization coordinates global scientific activity to allow increasingly prompt and accurate weather information and other services for public, private and commercial use, including international airline and shipping industries. WMO's activities contribute to the safety of life and property, the socio-economic development of nations and the protection of the environment.

Within the United Nations, the Geneva-based organization provides the authoritative scientific voice on the state and behaviour of the Earth's atmosphere and climate. Members are grouped in six regional associations (Africa, Asia, South America, North and Central America, South-West Pacific and Europe). Each of them meets every four years to coordinate meteorological and operational hydrological activities within their Region. Visit the WMO web site for comprehensive information.

Quality Management

The following are derived from:

- International Organization for Standardization
- Praxiom Research Group Limited

What is Quality?

In an ISO 9000 context, the standardised definition of quality refers to all those features of a product (or service) which are required by the CUSTOMER that is fit for purpose.

What is Quality Management?

QUALITY MANAGEMENT includes the coordinated activities that organisations use to direct, control, and coordinate quality. These activities include formulating a quality policy and setting quality objectives. They also include quality planning, control and assurance to achieve continuous improvement.

What is a Quality Management System?

A QUALITY MANAGEMENT SYSTEM is a set of interrelated or interacting elements that organisations use to direct and control how quality policies are implemented and quality objectives are achieved.

What is ISO?

ISO is the International Organization for Standardization. It is located in Switzerland and was established in 1947

World Meteorological Organization
Working together in weather, climate and water
QUALITY MANAGEMENT

- QM Resources
- QM Tools
- QM Publications
- WMO Task Team on QM
- QUALITY MANAGEMENT for Aviation

Forum

- WMO QM Forum (external site)
- Instructions (PDF)
- Rules (PDF)

Themes

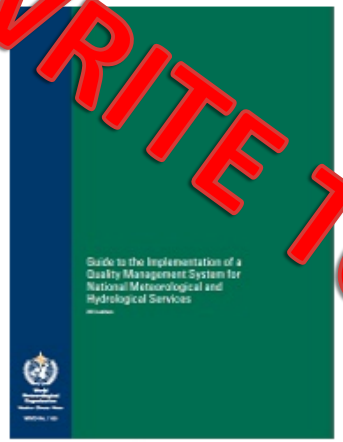
- Aeronautical Meteorology Quality Management for Aviation
- Marine Meteorology and Oceanography

Quality Management Publications

WMO Technical Publications

WMO Technical Re… (WMO Publication 49) Volume IV - Quality Management [PDF]

WMO Guide for the Implementation of a Quality Management System for National Meteorological and Hydrological Services [PDF]

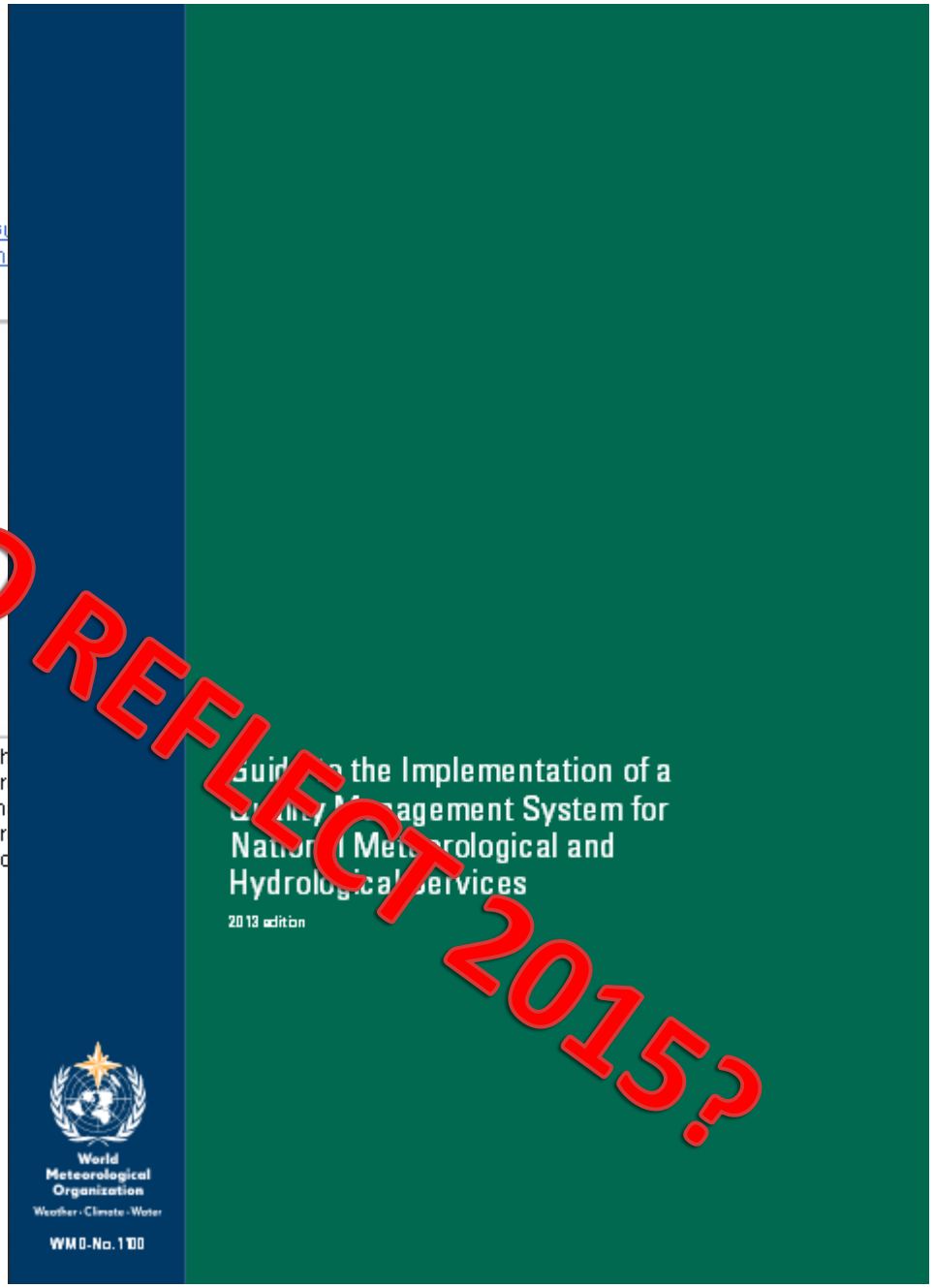


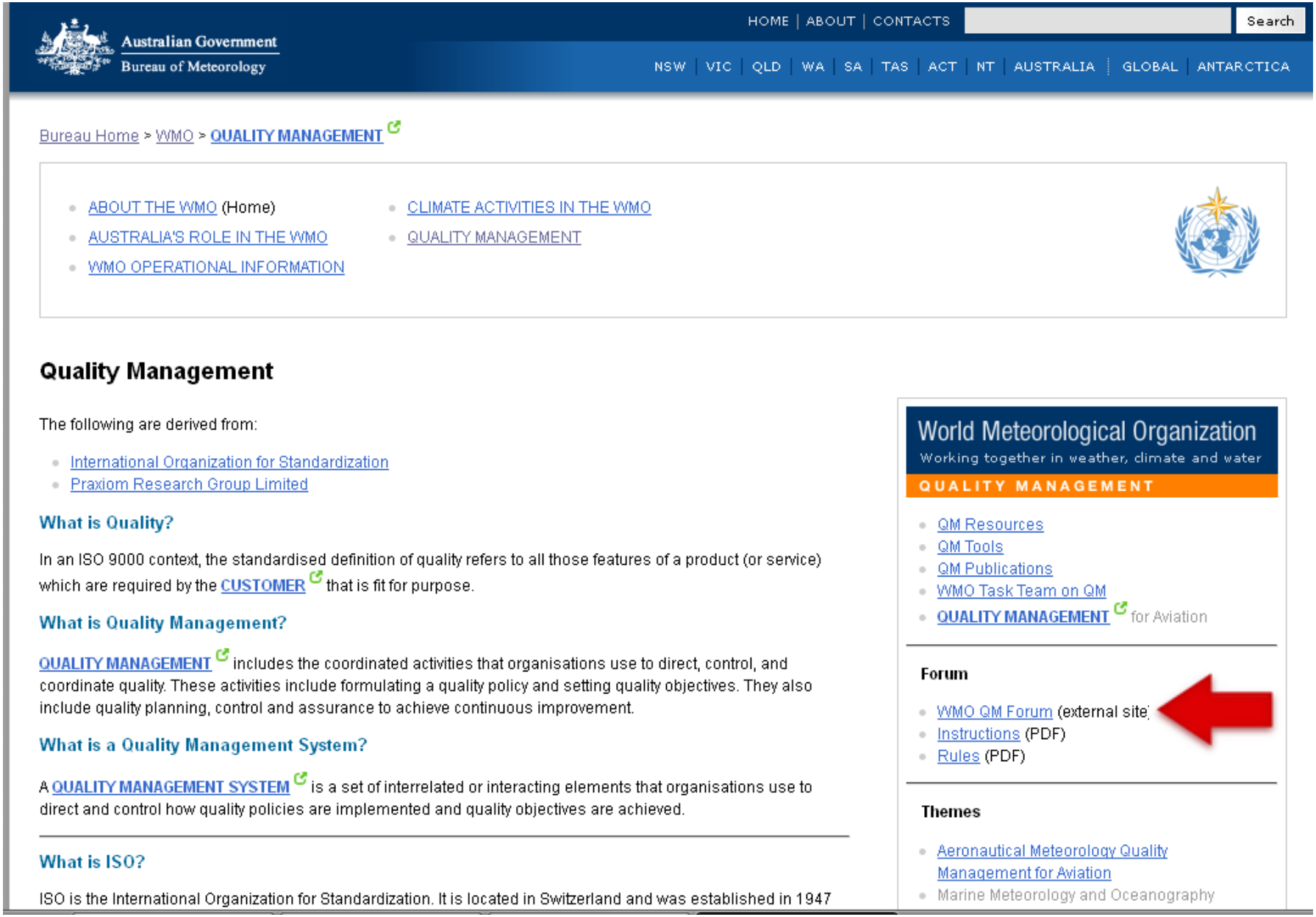
Arabic عربي
Chinese (中文)
French
Russian
Spanish

G… m…

Th… pr… m… pr… fr…

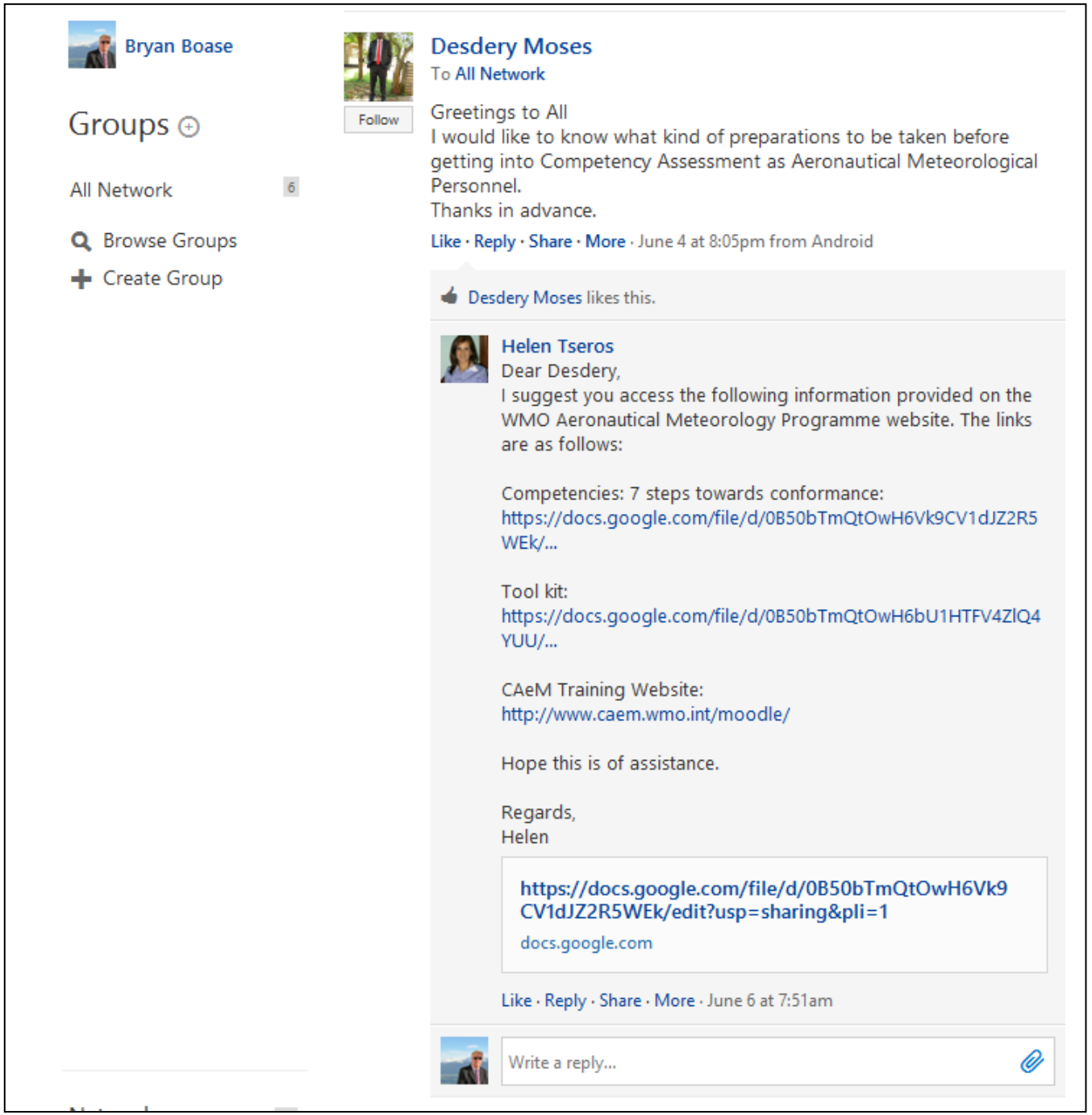
REWRITE TO REFLECT 2015?





http://www.bom.gov.au/wmo/quality_management.shtml

WMO QM Forum


Bryan Boase
Groups
All Network 6
Browse Groups
Create Group
Desdery Moses
To All Network
Follow
Greetings to All
I would like to know what kind of preparations to be taken before getting into Competency Assessment as Aeronautical Meteorological Personnel.
Thanks in advance.
Like · Reply · Share · More · June 4 at 8:05pm from Android
Desdery Moses likes this.
Helen Tseros
Dear Desdery,
I suggest you access the following information provided on the WMO Aeronautical Meteorology Programme website. The links are as follows:
Competencies: 7 steps towards conformance:
https://docs.google.com/file/d/0B50bTmQtOwH6Vk9CV1dJZ2R5WEk/...
Tool kit:
https://docs.google.com/file/d/0B50bTmQtOwH6bU1HTFV4ZlQ4YUU/...
CAeM Training Website:
http://www.caem.wmo.int/moodle/
Hope this is of assistance.
Regards,
Helen
https://docs.google.com/file/d/0B50bTmQtOwH6Vk9CV1dJZ2R5WEk/edit?usp=sharing&pli=1
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Write a reply...

QUESTIONS