

Weather • Climate • Water

WIS Competences

Steve Foreman, WMO Secretariat RA I WIS Implementation Planning Workshop

WMO; OBS/WIS

Weather

· Climate
· Water

Topics

- What is a competence
- WIS Competences
- WIS Training and Learning Guide





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What is a competence?

WIS Competences

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Example: if you manage Fruit Juice System

Requirement Job Task

Competency



Key components

- Get Fruit
- Operate Blender
- Manage Continuity
- Knowledge & Skill requirements
 - Quality of Fruit
 - Availability
 - Maintenance procedure

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Make Fruit Juice • Warranty

WIS Competences

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Example: if you manage Fruit Juice System

Training & Learning Guide



Key learning resources

- List of fruit shops
- Instruction manual
 - Warranty document



You must be able to:

- Get fresh fruit reliably
- Operate blender safely
- Manage the system





WIS Competences

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WIS Competences

WIS Competences

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WIS competencies



Infrastructure

- 1. Manage the physical infrastructure
- 2. Manage the operational applications



Data

- 3. Manage the data flow
- 4. Manage the data discovery



External interactions

- 5. Manage the centre-centre interactions
- 6. Manage the user interactions



Operational service

7. Manage the quality, risk and operational service

WIS Competences

WIS competencies – Infrastructure 1



Infrastructure

- 1. Manage the physical infrastructure
- 2. Manage the operational application

IT Operations control

- Maintain the system in optimal operational condition
- Contingency planning, operations backup & recovery

Facilities Management

- Manage physical site security
- Manage physical site environmental control



WIS competencies – Infrastructure 2



Infrastructure

- 1. Manage the physical infrastructure
- 2. Manage the operational applications

Meet service levels by maintaining applications

Contingency planning and application backup & restore

Ensure data integrity and completeness in the event of system failure

Ensure system security



WIS competencies – Data 3

Data

- 3. Manage the data flow
- 4. Manage the data discovery

Collection & distribution of data and products as per data policy

Publish data and products

Subscribe to data and products

Encode, decode, validate and package data and products

Create, update and maintain data flow catalogues

Manage connectivity between centres

Control the data flow to meet service levels



WIS competencies- Data 4

Data

• 3. Manage the data flow

• 4. Manage the data discovery

Create and maintain discovery metadata records describing products and services

Add, replace or delete metadata records within the catalogue

Ensure that all information and service offerings from a WIS centre have complete, valid and meaningful discovery metadata records uploaded to the catalogue



WIS competencies – External interactions 5



External interactions

- 5. Manage the centre-centre interactions
- 6. Manage the user interactions

Exchange information with other centres on operational matters

Facilitate registration of new WIS centres

Facilitate registration of new data and products by other WIS centres

Create and respond to WIS service messages, including GTS



WIS competencies – External interactions 6



External interactions

- 5. Manage the centre-centre interactions
- 6. Manage the user interactions

Register data providers and subscribers and maintain a service agreement

Set and register access criteria

Provide systems and support for users to publish and access data and products

Manage user relations to ensure a high satisfaction level



WIS competencies – Operational service 7



Operational service

• 7. Manage the quality, risk and operational service

Coordinate all WIS functions and activities of the centre

Ensure and demonstrate compliance with regulations and policies

Monitor and meet quality and service performance standards

Ensure service continuity through risk management, planning and implementation of service contingency service backup and service restore, and ensure data continuity in the event of system failure

Plan and coordinate the delivery of new functionality





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WIS Training and Learning Guide

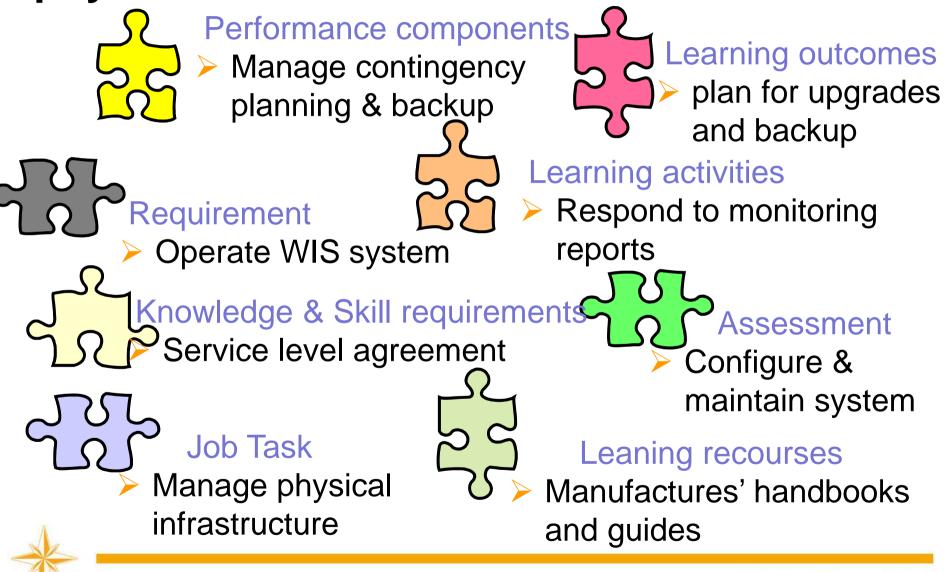
WIS Training and Learning guide

For each Competency

- Learning outcomes
 - You will be able to ...
- Learning activities
 - learn how to perform the job tasks ...
- Assessment
 - you must be able to ...
- Learning resourses
 - WMO manuals, Guides etc.

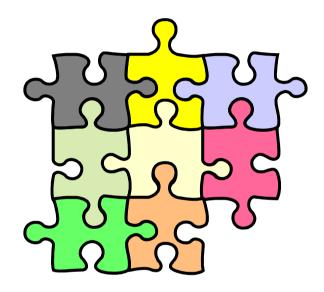


Developing Competency: Manage the physical infrastructure



WIS Competences

WIS Competency: Training curriculum



The Training & Learning Guide provides guidance that is widely needed

You should assess your centre's own needs to tailor the activities



WIS Competences

WIS Competency based training curriculum is:

- is specific to WIS
- is for operating and managing WIS centres
- Is for project managers, engineers, technicians and IT personnel
- is describing "what people can do rather than what they know"
- is ensuring that they will be able to perform their job task effectively
- is tailored to each individual's needs
 Knowledge is a tool to support COMPETENCE





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Thank you for your attention

wis-help@wmo.int

www.wmo.int

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