

# The WMO OSCAR/Surface and WSI webinar for RA VI 2 SEPTEMBER 2025 14:00– 16:00 CEST

## Allocation for WIGOS Station Identifiers

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# WIGOS Station Identifier WSI

- The station WSIs:
  - Uniquely identify stations at global or regional scale
  - Link(s) stations to their metadata
  - Identify stations on OSCAR/Surface (the official catalogue of WSI)
  - Do not have meaning in themselves
  - Associated with one observing station, but observing station can have more than one WSI (secondary and primary)
  - Provide uniform identifications/traceability of stations across all systems
- The System for WSI is defined in the Manual on the WIGOS ([WMO-No. 1160](#)) and allocation procedure in the Guide to WIGOS ([WMO-No. 1165](#)).
- A WSI scheme for hydrological stations was approved by INFCOM-2 (chapter 10.5 of WMO-No. 1165) and adopted by all the 6 RAs forums and HCP

# WSI Structure

Format: 4 blocks with numbers and characters

WSI Scenarios for hydrology stations

Block (content type)	1 <sup>st</sup> block (number)	2 <sup>nd</sup> block (number)	3 <sup>rd</sup> block (number)	4 <sup>th</sup> block (character)
Description/ Name	WIGOS Identifier Series	Issuer of Identifier	Issue number	Local Identifier
Features	Allows future expansion	Allows to distinguish between identifiers issued by different organizations	Allows sub-delegation	Allocated to station
Range	0	0...65534	0...65534	16 characters
Example 1	0	20000	0	06700
Example 2	0	124	0	73033

Scenario	WIGOS ID Series	Issuer of ID (Country ISO Code)	Issue number(refer to <a href="#">WMO No. 1165 WIGOS Guide, section 2.3.2</a> ) Delegated authority	Local ID
A1	0	1-999	0	To be defined by Member
A2	0	004-999	1...65534 (National organizations)	To be defined by organization
B1	0	21016	0	AC, BB, H, H, H (International Hydrological Code)
B2	0	21016	AC, BB (Basin indicator)	To be defined by: - WHOS or Organization



Free\* assignment by the country, allows delegation based on i.e. organisation, network, basin, ..

Preassigned, 0 for stations

Free assignment by the country/ organisation\*

\* based on national WIGOS Implementation Plan

ISO Country number, if assigned by the country.  
Program-related, if assigned by the WMO secretariat or Program Focal Point.

# Preferred WSIs Allocations Scenarios for Hydrology

Scenario	WIGOS ID Series	Issuer of ID (Country ISO Code)	Issue number(refer to <u>WMO No. 1165 WIGOS Guide, section 2.3.2</u> )	Local ID
A1	0	1-999	0	To be defined by Member
A2	0	4-999	1...65534 (Number allocated to NHS by NFP for OSCAR)	To be defined by organization
B1	0	21016	0	AC <sub>i</sub> BB <sub>i</sub> H <sub>i</sub> H <sub>i</sub> H (International Hydrological Code)
B2	0	21016	AC <sub>i</sub> BB (Basin indicator)	To be defined by: - WHOS or Organization

2 possible main scenarios for hydrological stations:

- Scenario 1: Allocation via country (NMHS) or organisation

❑ 0 – (ISO Country code) - .. - .. i.e 0-72-800-7024 (Boro River at Bokwi station for Botswana)

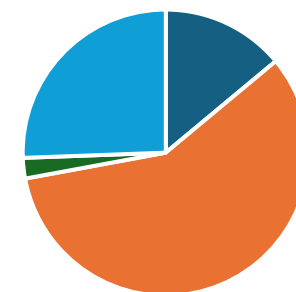


- Scenario 2: Allocation via WMO Secretariat (WHOS)

❑ 0 – 21016 - .. - .. i.e 0 – 21016- 17200- 7024

NB: 2101 is the code for WHOS

Preferred



■ A1 ■ A2 ■ B1 ■ B2

# WSI Allocation Summary

- OSCAR NFPs develops the schema, allocates and communicates organization number for NHS or organization i.e 0-72-800-Local ID for hydro stations. 800 is the NHS number
- Metadata editor then inserts the local id of each station i.e for Botswana: 0-72-800-7024, 0-72-800-7415, 0-72-800-7425, etc
- For all stations the systems have local IDs, therefore
  - With A2 scenario: 0 - ISO country code - **Number allocated to NHS** - Local ID, unknown is **block 3**.
  - With B2 (allocated by WMO secretariat): 0 - 21016 - **RegionCountryBasin** - Local ID. **Region: 1-6, country: ISO country code, Basin:** Local, international or basin code otherwise default 0)

# Thank you

WT4H and TT-WOT/ET-WTR