

Title	Present hydrometric data reviews and provide information for users		
Level	5	Credits	10

Purpose	<p>This unit standard is intended for people who will analyse hydrometric data to provide quality assured information for users.</p> <p>People credited with this unit standard are able to: present statistical summaries and analysis of data, as part of a quality management system; and provide quality assured information for users.</p>
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Classification	Water Industry > Field Hydrology
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Available grade	Achieved
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Guidance Information

- 1 Data reviews and provision of information for end users must be performed in accordance with:
 - National Environmental Monitoring Standards (NEMS);
 - organisational procedures.
 The complete list of NEMS can be found on the NEMS website www.nems.org.nz.
- 2 For the purposes of this unit standard *information* is data in context.
- 3 Three data reviews of which one has to be a flow time series of five years with multiple rating curves.
- 4 Definition
Organisational procedures refer to the policies and procedures set out in a verbal or written form by the employer or organisation. Procedures must be consistent with current legislative requirements and manufacturer's recommendations or instructions where relevant.

Outcomes and performance criteria

Outcome 1

Present statistical summaries and analysis of data, as part of a quality management system.

Performance criteria

- 1.1 Compile a set of statistical summaries and graphical presentations of hydrometric data.
- 1.2 Analyse information about processes from each station that may help to identify anomalies in the data not previously detected or adequately explained.
- 1.3 Take remedial action to correct anomalies in data.

Outcome 2

Provide quality assured information for users.

Performance criteria

- 2.1 Determine a user's requirements for reporting information.
- 2.2 Describe organisational licensing and data release policies for a user.
- 2.3 Provide the information to a user, in the appropriate form, with all relevant metadata, including explanation of data quality status.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 2015	31 December 2022
Review	2	24 October 2019	N/A

Consent and Moderation Requirements (CMR) reference	0232
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.