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## Overview

This standard is about establishing procedures to support the collection of fisheries data relating to the habitat and the fish within the fishery. It includes being able to identify the appropriate methods for recording data and techniques to support the analysis of the data collected.

This standard requires an understanding of the purpose of the collection of fish population data e.g. to detail the population size, its age structure and its condition.

This standard requires that you carry out work safely in line with relevant legal and health and safety requirements and that you work to maintain bio-security and minimise environmental disturbance at all times.

The relevant legislation controlling the application of this standard will vary depending on the location of the fishery – in England, Wales, Northern Ireland or Scotland.

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## Performance criteria

*You must be able to:*

1. collate and analyse information from relevant sources to establish procedures in order to support the collection of fisheries data
2. establish procedures to monitor a fishery habitat, taking account of environmental conditions
3. establish sampling procedures to support the collection of representative data for a fish population
4. establish procedures for the collection of samples and data from individual fish
5. confirm that all procedures meet relevant health and safety, environmental, bio-security and other legal requirements
6. communicate procedures to all those involved in the implementation
7. identify and establish the resources required to support the collection of fisheries data
8. identify techniques to be used by the organisation for the analysis of fisheries data
9. establish systems for reporting and recording fisheries data with appropriate quality assurance

## Knowledge and understanding

*You need to know and understand:*

1. the condition of a fishery in terms of its physical features, water quality and biological aspects
2. how to establish procedures to support the collection of fisheries data
3. the importance of confirming that procedures to support the collection of fisheries data are communicated to all those involved
4. the techniques available for the collection of habitat and fish data
5. standard organisational and fish data collection protocols and their role in fisheries data collection
6. the purpose of collecting fisheries data and how this impacts on the design of data collection
7. the methods for selecting a suitable survey site for collecting fisheries data
8. how to sample fish populations
9. fishing methods and their application in the collection of samples
10. how to collect samples and data from live and dead fish
11. the types of emergency situations, including pollution and fish health problems, that may affect a fishery and how they can be monitored
12. the types of data analysis techniques and the eventual use of fisheries data
13. how to establish systems for the recording of fisheries data, according to standard organisational protocols
14. relevant health and safety, environmental, bio-security and legal requirements relating to the control of activities on a fishery

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