

# LANFIM15

## Establish systems to support the collection of fisheries data



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### Overview

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

This standard requires the collection of fish population data to describe the population size, its age structure and its condition. It also requires that emergency procedures are established to deal with actual or suspected pollution incidents and actual or suspected problems with fish health.

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

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

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### Performance criteria

*You must be able to:*

- P1 carry out work safely in line with health and safety requirements
- P2 establish procedures to effectively monitor a fishery taking account of prevailing environmental conditions
- P3 establish sampling procedures for collecting appropriate representative data for a fish population
- P4 establish procedures for collecting samples and data from individual fish
- P5 establish procedures for dealing with emergencies that disrupt a fishery
- P6 identify appropriate techniques to be used in the analysis of data
- P7 develop mechanisms for recording data with appropriate quality assurance

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### Knowledge and understanding

*You need to know and understand:*

- K1 the reference condition of a fishery in terms of physical features, water quality and biological aspects
- K2 the techniques available to monitor the water quality
- K3 standard protocols and their role in data collection
- K4 the purpose of collection data and how this impacts on the design of data
- K5 collection methods
- K6 survey site and selection methods
- K7 how to sample fish populations
- K8 fishing methods and their application in the collection of samples
- K9 how to collect samples and data from live and dead fish
- K10 emergency situations that may affect a fishery and how they can be monitored
- K11 data analysis techniques and the eventual use of data
- K12 how to record data effectively according to standard protocols
- K13 acoustic survey techniques
- K14 relevant SEN standards

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**Relevant occupations** Agriculture, Horticulture and Animal Car; Skilled Agricultural Trades

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**Suite** Fisheries Management

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