

International Module

M507 - Health Effects of Hazardous Substances

Formative Practical Assessment – Guidance for

Tutors

1. Introduction

Candidates taking the M507 international examination in “Health Effects of Hazardous Substances” need to demonstrate that they have requisite practical skills for making suitable risk assessments. The formative practical assessment is designed to confirm that all candidates completing this course have achieved the relevant skills and are able to carry out appropriate practical tasks. All candidates must undertake the practical exercises during the course and record their observations and appropriate calculations to the standards accepted for laboratory notebooks or field notes for marking by the course tutor.

These practical exercises are an essential part of the examination process and will be subject to random audit for Quality Assurance purposes.

2. The Practical Requirements and Reporting

The case studies will be designed by the course tutor(s) to test the basic skill and knowledge of each of the candidates.

- One study should be an evaluation of available data on chemical substances so as to advise on the setting of a suitable in-house exposure limit.
- The second study should be a scenario study to evaluate potential exposure routes and the potential health consequences from a selected process. This may be presented as a series of photographs, videos, drawings and/or text for the candidates to evaluate and report on their findings.

Access to reference material and written procedures is allowed during these

exercises. For each exercise the candidate should:

- a) Interpret the data, draw conclusions and make suitable recommendations
- b) Submit a written practical report

The assessment studies should be written up to the standards expected for a laboratory notebook or field notes and handed in for assessment at the end of the practical exercise.

Each practical notebook report should contain the following elements:

- a) Location and date
- b) A brief description of the substances and processes involved
- c) Conclusions and recommendations
- d) Name of candidate

Assessment of Practical Notebook or Field Notes Reports

The notebook or field notes reports must be handed in at the completion of the practical session as retrospective reporting will not be allowed. The course provider/tutor will assess each practical notebook report and return the practical evaluation report for each candidate to BOHS.

3. Marking Schedule

As the tutor is responsible for designing suitable studies it is not practicable to provide a fully detailed predefined marking schedule. An outline of the studies used, and their marking will therefore need to be provided to BOHS by the tutor along with the individual candidates reports.

This should include the following:

a) Study One

An evaluation of available data to advise on the setting of a suitable in-house exposure limit.

Details of relevant substance(s) including safety data sheets from more than one supplier. Details of toxicological and other testing data relevant to the substance in question.

Details of other documentation provided.

b) Study Two

A scenario study to evaluate potential exposure routes and the potential health consequences from the selected process.

Details of the process including a series of photographs, videos, drawings and/or text for the candidate to evaluate.

Any relevant exposure data

Details of the control measures utilised including PPE where relevant.

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Formative Practical Evaluation — Report

Name of Candidate			
Date of Birth		Date of Evaluation	
Evaluation Location			
Course Provider			
	Pass/Fail	Comments	
Case Study 1 Exposure Limit evaluation			
Case Study 2 Process assessment			
Overall Decision			
<i>Name of tutor covering practical evaluation</i>			
<i>Signature of tutor covering practical evaluation</i>			

Please Note: Information entered into the comments column can be given to the candidate for re- sit purposes.

International Module

M507 - Health Effects of Hazardous Substances

Formative Practical Assessment – Guidance for Candidates

1. Introduction

Candidates taking the M507 international examination in “Health Effects of Hazardous Substances” are required to demonstrate that they have appropriate practical skills in risk assessments and interpretation of data. Therefore, all candidates must undertake two practical exercises and write these up, to the standard of laboratory notebooks or field notes, for marking by the course tutor during the course. This will be regarded as an essential part of the examination process.

2. The Practical Requirements and Reporting

One study will be an evaluation of available data on chemical substances so as to advise on the setting of a suitable in-house exposure limit.

The second study will be a scenario study to evaluate potential exposure routes and the potential health consequences from a selected process. This may be presented as a series of photographs, videos, drawings and/or text for the candidates to evaluate and report on their findings.

Access to reference material and written procedures is allowed during these

exercises. For each exercise the candidate should:

- a) Interpret the data and make suitable recommendations
- b) Submit a written practical report

The assessment studies should be written up to the standards expected for a laboratory notebook or field notes and handed in for assessment at the end of the practical exercise.

Each practical notebook report should contain the following elements:

- a) Location and date
- b) A brief description of the substances and/or processes involved
- c) Conclusions and recommendations
- d) Name of candidate

Assessment of Practical Notebook or Field Notes Reports

The notebook or field notes reports must be handed in at the completion of the practical session as retrospective reporting will not be allowed. The course provider/tutor will assess each practical notebook report and return the practical evaluation report for each candidate to BOHS.