SFJ ZI04
Carry out a technical support feasibility study

Overview

This unit covers carrying out a technical feasibility study.

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Performance criteria

You must be able to:

P1 establish the background to, and intended purposes of, the technical support services requested and record the needs of the customer

P2 identify the logistics involved in carrying out the feasibility study and agree these with the customer

P3 notify relevant personnel of the technical support services requested and feasibility study required

P4 select relevant equipment for the feasibility study and prepare these safely and securely for use

P5 evaluate all information and methods which may contribute to the technical support service

P6 carry out the feasibility study based on your evaluation

P7 provide an accurate report in accordance with best practice(s) and customer needs

P8 discuss the feasibility study with the customer and respond to any questions

P9 agree the viability of the technical support with the relevant person(s)

P10 complete relevant documentation accurately, comprehensively and legibly

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Knowledge and understanding

Legal and organisational requirements

K1   your responsibilities under current legislation and regulations and the implications of non-compliance

K2   situations and circumstances for which authority is required and how to obtain the authority

K3   types of problems which may occur and how they can be resolved

K4   how to carry out risk assessments and why these are required

K5   safe systems of working

Technical feasibility studies

K6   requirements of, and purposes for, the study

K7   how to establish the logistics involved

K8   how to establish the needs of customers

K9   how to identify the equipment needed and prepare it for use

K10 the types of support needed for carrying out feasibility studies and how to arrange them

K11 who to notify about the feasibility and how to notify them

K12 how to identify, access and evaluate sources of information

K13 how to identify inconsistent data and identify potential methods contributing to the technical support service

K14 how to select and apply evaluation methods and techniques to analyse collated information

K15 how to minimise the risks in the operation

K16 how to take, record and format observations, inspections and measurements

K17 best practice in relation to health and safety

K18 types, formats and conventions for observations, inspections and measurements

K19 how to prepare and clarify technical feasibility study reports

K20 formats for the presentation of technical feasibility study reports

K21 how to analyse and assess the ways in which technical support may be provided, including the need for technical, human, time and equipment resources

K22 methods of ensuring the security of the operation

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1   equipment
   1.1. measuring equipment
   1.2. recording equipment
   1.3. testing equipment
   1.4. access equipment
   1.5. communications
   1.6. personal protective
   1.7. maps

2   types of feasibility study
   2.1. domestic
   2.2. retail
   2.3. commercial
   2.4. industrial
   2.5. public premises
   2.6. private premises
   2.7. rural
   2.8. urban
   2.9. body worn
   2.10 transportation

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