



A PRACTITIONERS FRAMEWORK FOR REMEDIATION

Introduction & Guidance

Version 1.01

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Foreword

The development of a framework for the design, implementation, optimisation and verification of remediation works represents one of the original RemSoc objectives. The requirement for such a framework was one key reasons for the establishment of our Society. We are therefore very pleased to have reached the point at which we can release this 'Practitioners Framework for Remediation'.

The RemSoc Steering Committee is extremely grateful to all who have contributed to the preparation of this Framework. Numerous people within the industry have supported this initiative, both in the initial drafting and in the subsequent comment and revision. This broad engagement has included the Membership from leading consultancies and contracting entities, together with wider Regulator, Client and industry support. We are appreciative of the wide-ranging participation received along the way, as this has clearly enhanced the applicability and robustness of the Framework.

We hope that the Framework will provide a useful tool to practitioners within our industry. We encourage all to promote its use and application. As always, we would appreciate your ongoing feedback in order to ensure that future updates further strengthen the tool, reinforce its applicability, and adapt to the changing needs of our industry.

Mark Stevenson

Chair, RemSoc

A Practitioners Framework for Remediation

Introduction

Background

RemSoc have created this *Framework for Remediation* to assist remediation practitioners in the planning and execution of remediation projects; from design through to implementation and verification.

The Framework has been developed to guide practitioners through the key stages of a remediation project and to sign post factors and decisions that may be required at each stage of the project. Aspects of legal compliance and reference points are also provided to assist in the safe and competent delivery of a remediation project.

The *Framework* should not be considered exhaustive. The *Framework* is "live" and will be updated through addition or deletion over time by the membership of the society. As such, the *Framework* can never be considered "complete" or to form a prescriptive guide, nor can it in any way replace the expertise or experience of a remediation practitioner.

Objectives of the Framework

When considering what form such guidance could take, it became apparent that different practitioners focus on different areas. Therefore, we challenged ourselves to develop a framework to support and guide the wide range of activities that should be considered at different stages of varied remediation programmes. The intention is that the framework can be applied across a range of different remediation projects by *all* remediation practitioners for the benefit of a wide range of project stakeholders.

The objective was to develop a framework which:

- Is applicable to a wide variety of remediation activities and scenarios;
- Is flexible, and can be added to or adapted in response to the needs of practitioners and as our industry develops further;
- Aligns with and complements existing guidance;
- Provides a useful point of reference and guidance for remediation practitioners at all levels; and
- Can be used as a 'tool' in the implementation process.

About RemSoc

RemSoc is a UK society dedicated to the remediation of contaminated and brownfield land. The society has been established by a group of professionals and practitioners, all working in the remediation sector. This group consists of consultants and contractors who have a broad knowledge and significant experience of the industry, the market and clients that we are serving.

RemSoc is independent of other professional organizations, bodies and industry groups but aims to collaborate with other like-minded groups as opportunities present themselves.

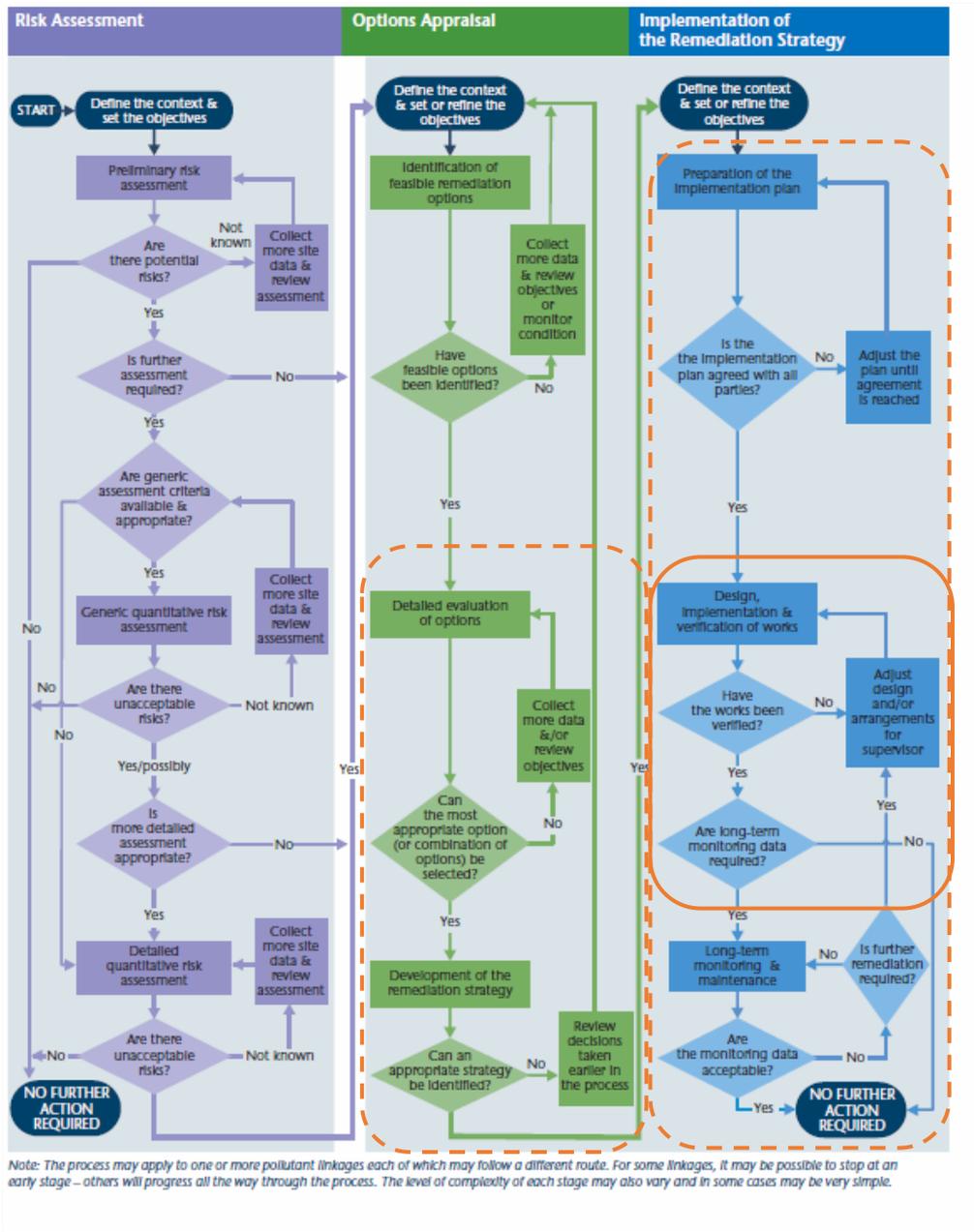
Membership is not exclusive and is open to all those directly involved in remediation activities who share our values.

The Framework

The Framework and CLR11

The Framework is designed to complement and support the delivery of contaminated land management in line with CLR11, focussing on the remediation planning and implementation phase of the Contaminated Land Management Framework.

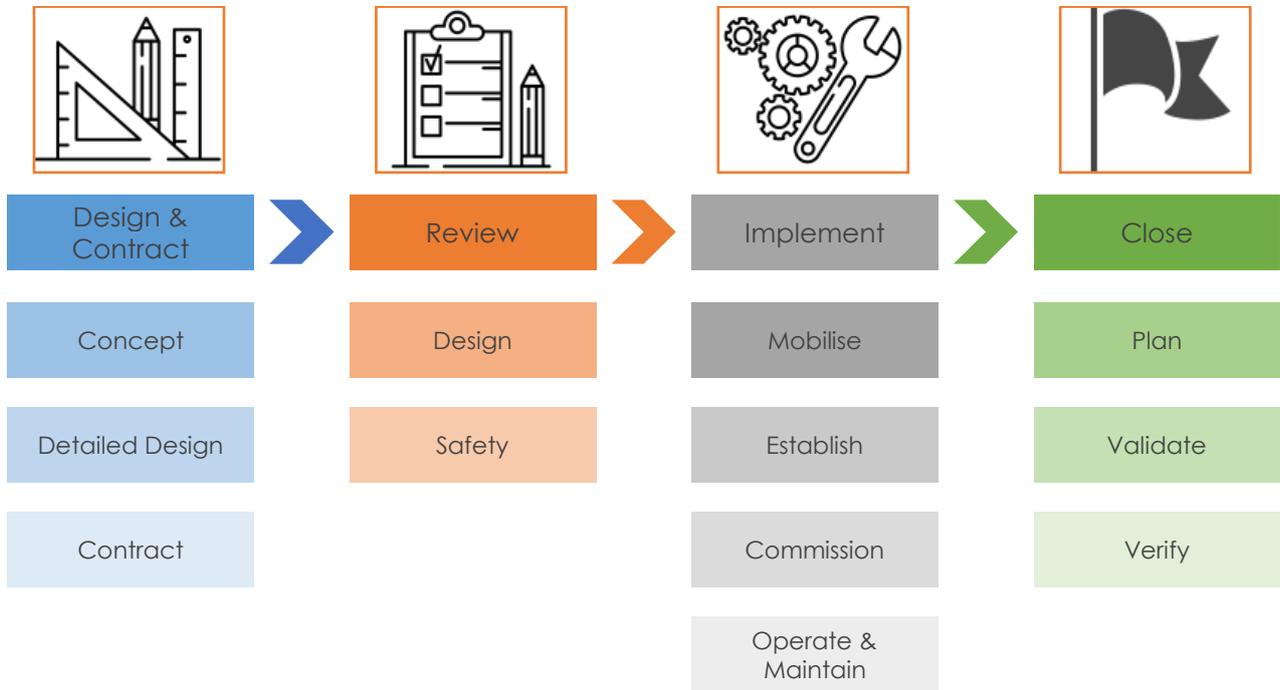
Figure 1: RemSoc Framework Relationship with CLR11



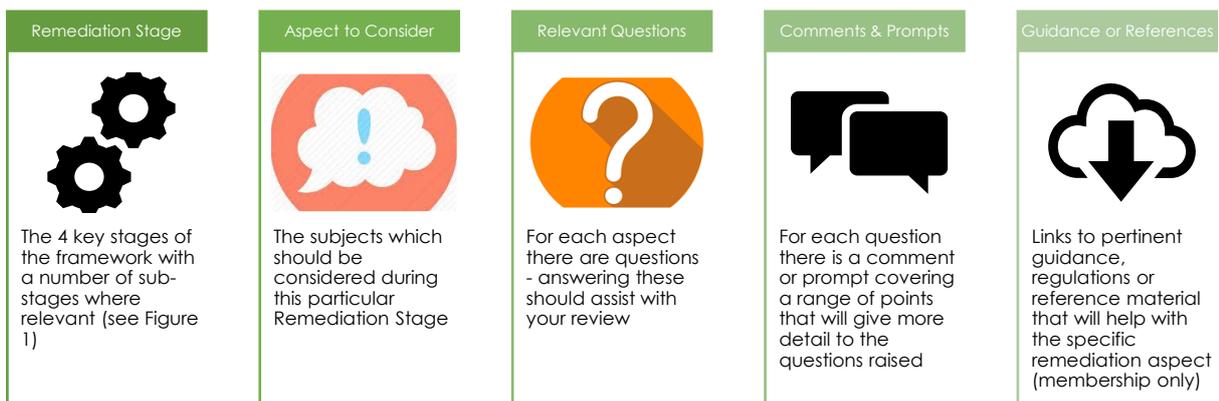
The Framework Structure

The framework is split into four remediation stages with supporting sub-stages:

Figure 2: RemSoc Practitioners Framework for Remediation



These stages, in most situations, form part of any remediation project, be it process based technology, a bioremediation project, chemical or proprietary injection or even a civils based approach. Under each stage, the framework has been built around the following key features:



Examples of each feature are given below:

Feature	Example
	Stage 2 - Review
	Stage 2a - Design Review

Feature	Example
	Compliance with regulations
	What acts and regulations need to be complied with? What permits are needed to complete the works? Can they be obtained within the project timescales?
	These could include Environmental permit/Mobile Plant Licence; Abstraction licence; Discharge consent; Materials Management Plan; Asbestos Management Plan; Streetworks license; Machinery Directive (CE); DSEAR / ATEX; PUWER; CDM; Pressure systems regulations; Party Wall Act; Planning Regulations; Waste Licensing Regulations; Archaeological and Ecological aspects; Petroleum Regulations and Storage of Flammable Liquids
	http://www.hse.gov.uk/fireandexplosion/atex.htm (Link to ATEX Regulations as an example – available to members only)

Using the Framework

Following various iterations and with the objective to create a “tool” that can be readily used by our members on their projects, the Framework takes the form of an Excel® tool that is freely available and hosted on www.remsoc.org.

The *Tool* is designed to provide Remediation Practitioners with a useful project review and checklist to apply on their projects.

Two forms of the tool are freely available:

Basic Tool Version:	For each Aspect to Consider there is an opportunity to select whether it is applicable or not, open or closed, due or unclassified and to add a comment/note.
Project Risk Register Version:	A more detailed tool has been provided in the style of a project risk register, where actions and mitigation measures can be defined, a RAG risk and likelihood rating can be applied and project owners can be identified (covering a range of stakeholders such as the Client, Contractor, Consultant, Regulator etc.).

The tool will be periodically updated by RemSoc as we get feedback on the functionality and content.

As part of the Framework development, a resource of guidance documents has been developed which can be accessed through a RemSoc Sharepoint site. Access to all links, guidance and document references is available to the membership only.

Bringing the Framework to Life

To bring the Framework to life we want consultants, contractors and project teams to trial the *Framework Tool* and feedback on its usefulness, take part in the periodic review of the Framework and share case studies with the Society to share best practice and raise standards in our industry.

Disclaimer

The content of this framework is for general information purposes only. The content is provided by RemSoc in good faith for the benefit of Remediation Practitioners and while the Steering Committee will endeavour to keep the content up to date and relevant, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the content or related links for any purpose. Any reliance you place on such content is therefore strictly at your own risk.

In no circumstance will RemSoc be liable for any loss or damage including without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from the use of this guidance or any costs or loss of profits arising out of, or in connection with, the use of this guidance.

Every reasonable effort is made to keep the guidance and the website on which it is based up and running smoothly. However, RemSoc takes no responsibility for, and will not be liable for, the guidance being temporarily unavailable due to technical issues beyond our control.

Contract Stage:

This section is not designed to replace company specific legal review procedures and does not constitute a legal review. The questions and prompts are designed to help understand the interplay between technical objectives and contractual obligations that a legal review may not identify.