North Sea Transition Authority

Decommissioning

This section will appear for all Fields that do not yet have an approved Close Out Report from OPRED and once at organisational level.

If you think there are any errors with allocation, please contact: stewardshipsurvey@nstauthority.co.uk

North Sea Transition Authority

UKSS 2023 Changes

The following changes are being implemented in the Decommissioning section of the survey for 2023:

1. **Well P&A Cost Estimate:** Please record the platform and subsea wells forecast cost by mechanical status (AB1, AB2, AB3) where applicable. Previous years costs will be copied forward as follows: Rig upgrades (£MM) (Survey 2022) copied into Facilities upgrades (£MM) (Survey 2023). Conductor Removal (Survey 2022) copied into AB3 (Survey 2023). There is an additional question about forecast date of completion for well P&A work. See **page 10** (here) for more information on the updated way this information is being gathered with examples.
2. **Well P&A Actuals Costs:** There is now a new dropdown for recording the mechanical status of the well as of 31st December 2023 for any well P&A work carried out in 2023. There is also a Y/N question about additional work carried out for Carbon Capture & Storage (CCS) repurposing potential and a campaign question; see **page 23** (here) for more details. Updated total duration guidance: Cumulative time (days) spent on any aspects of well decommissioning in the survey year 2023. Duration reported should disregard any large breaks of time without active work on the well.
3. **Post CoP Running Costs & PoB:** PoB will now be required to be reported on an annual average basis, as opposed to a total average. Please record your actual/anticipated core crew PoB (annual average) of the installation in the period from late life operations pre-CoP to time of disembarkation.
4. **Change in Decom Costs from prior year:** once all Field information has been submitted the system will automatically populate your 2022 overall decom costs and compare them with your 2023 costs. Please answer Yes/No to each of the applicable factors, see more information & screenshots on **page 32** (here).
5. **Topsides and substructure onshore disposal:** Negative values can now be accepted. Where relevant please indicate scrap values for onshore disposal by adding as a negative value.

All sections have enhanced guidance and explanatory notes.

Field level

Data should be entered at Asset level for each field

Paste from Excel

You can paste values into the following table directly from Excel:

- Copy the cells from your Excel spreadsheet (any number of rows/columns)
- Please paste into the first field by right clicking or by pressing Ctrl + V
- The page will map your pasted cell values to the table cells, ignoring any overflowing rows or columns
- Input fields which have been pasted to will be highlighted green to allow a visual check.

Manage Assets

North Sea Transition Authority

Assets

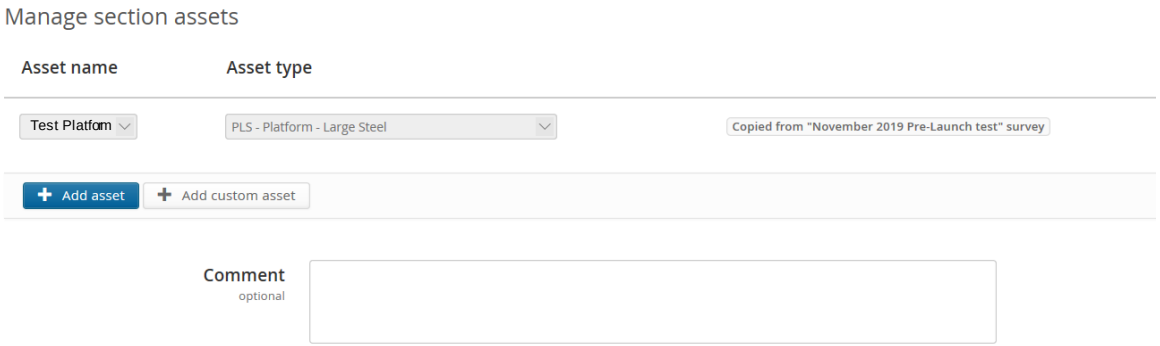
The Objective of the Decommissioning section is to collect consistent information on decommissioning activity from operators to allow meaningful analysis resulting in valuable outputs back to the industry at large.

Please provide the best current estimates and identified actual costs where available. Data should be filled in for **all assets.**

This page will list all the assets within the Field.

State in the comments here any relevant information regarding the submission.

'Add Custom Asset' functionality available to add assets out with the DEVUK database.



Assets - Platform A

North Sea Transition Authority

CoP schedule

Likely cessation of production (CoP) date is the date which the asset is expected to, or has already, permanently ceased production.

Please note this is the date that the asset has stopped producing native oil and gas, and should not consider any future third party processing dates.

Please choose cost profile for which you would like made available to populate the cost and quantities data. Default will be -5 / + 10 years to CoP date but this can be changed below.

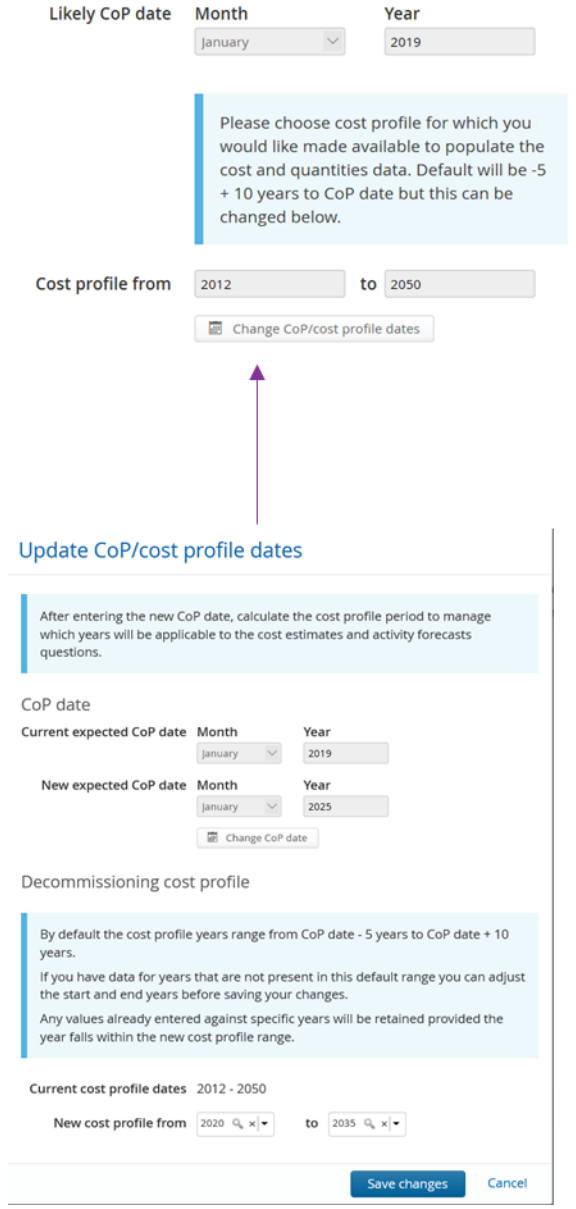
To change the CoP date or edit the cost profile range please click *'Change CoP/cost profile dates'* This will cause a pop out box to appear.

After entering the new CoP date, calculate the cost profile period to manage which years will be applicable to the cost estimates and activity forecast questions.

By default, the cost profile years range from CoP date - 5 years to CoP date + 10 years.

If you have data for years that are not present in this default range you can adjust the start and end years before saving your changes.

Any values already entered against specific years will be retained provided the year falls within the new cost profile range.



Assets - Platform A

North Sea Transition Authority

Campaign decommissioning

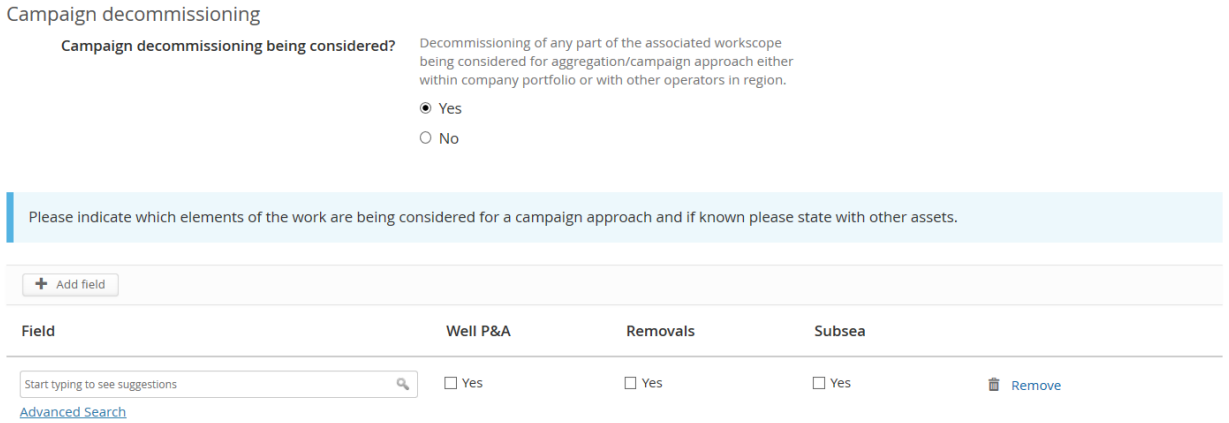
Decommissioning of any part of the associated workspace being considered for aggregation/campaign approach either within company portfolio or with other operators in region.

Please indicate which elements of the work are being considered for a campaign approach and if known please state with other assets.

Please add all the fields that are in the work campaign.

Campaign decommissioning selection will be copied forward from previous years submission.

2023 update: there is now an additional question in the well P&A actual section which asks if the well P&A work was part of a campaign and what sort of campaign: Single Operator, Multi-Operator, Operator led or Supply chain led.



Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Guidance

Please complete the Cost Estimate with the operators best available forecast spend under each of the Work Breakdown Structure (WBS) categories. Costs are required in £millions in 2023 money.

As per the 2022 survey, the expectation is that the next 10 years of estimates are entered as a profile across the 11 WBS categories. Beyond 2033, if cost estimates are available as a profile and/or per WBS category then please enter as so. Otherwise, enter estimates beyond 2034 as aggregated below:

- Owners Cost (Project Management, Post CoP Running Costs) entered into Operator project management section.
- Well Decommissioning entered into the Well Decommissioning section (this includes well costs incurred as pre work for plug and abandonment operations, such as P&L, wellbore surveys etc.).
- Removals (Permanent Isolation & Cleaning, Topside Prep, Topside Removal) entered into Removal - Topside section and including Substructure Removal entered into Removal - Sub-structure/Jacket section.
- Subsea Infrastructure (Subsea Infrastructure) entered into Subsea infrastructure - Other section.
- Onshore Recycling & Disposal (Site Remediation, Monitoring) entered into Topsides and substructure onshore disposal section.

Estimate class	Secondary characteristic Expected accuracy range Typical variation in low and high ranges at an 80% confidence interval
Class 5	L: -20% to -50% H: +30% to +100%
Class 4	L: -15% to -30% H: +20% to +50%
Class 3	L: -10% to -20% H: +10% to +30%
Class 2	L: -5% to -15% H: +5% to +20%
Class 1	L: -3% to -10% H: +3% to +15%

FPSO Guidance:
Engineering down, emptying tanks, cleaning down and flushing of risers - costs to go in Permanent Isolation & Cleaning section.
Disconnection costs, riser disconnection and recovery, mooring leg disconnection and recovery, anchor removal, tugs for heading control, towing to port etc. in Substructure Removals.
Marker buoy or guard vessel hire should go under Post CoP running costs.
Where a basis may not be available to readily split into WBS Categories, please be pragmatic in the methodology of doing so. Leave a brief comment in the 'Other relevant information' or General comments box detailing what was done.

MM = million.

Please select the Classification of estimate and the associated contingency level (if any) included in the costs entered (see screenshot on upper right for guidance on each class).

Please indicate, using the text boxes provided, where the figures entered within a category deviate from the OEUK WBS definition.

Actual costs from the previous survey have been copied across for your convenience into this survey.

Historic data is locked to prevent unnecessary edits to actual costs. Please only unlock and edit when there is a genuine error or a significant update in the actual costs previously provided as in most instances, it would be expected that actuals would remain consistent with prior year surveys. If a change is necessary, please enter a comment into the individual comment box above for the reason for the change.

Note: The decommissioning survey cost should include "full life cycle cost", i.e. including wells yet to be drilled or infrastructure yet to be installed which has been sanctioned. The total estimate in the Decommissioning survey should agree to the Activity Survey.

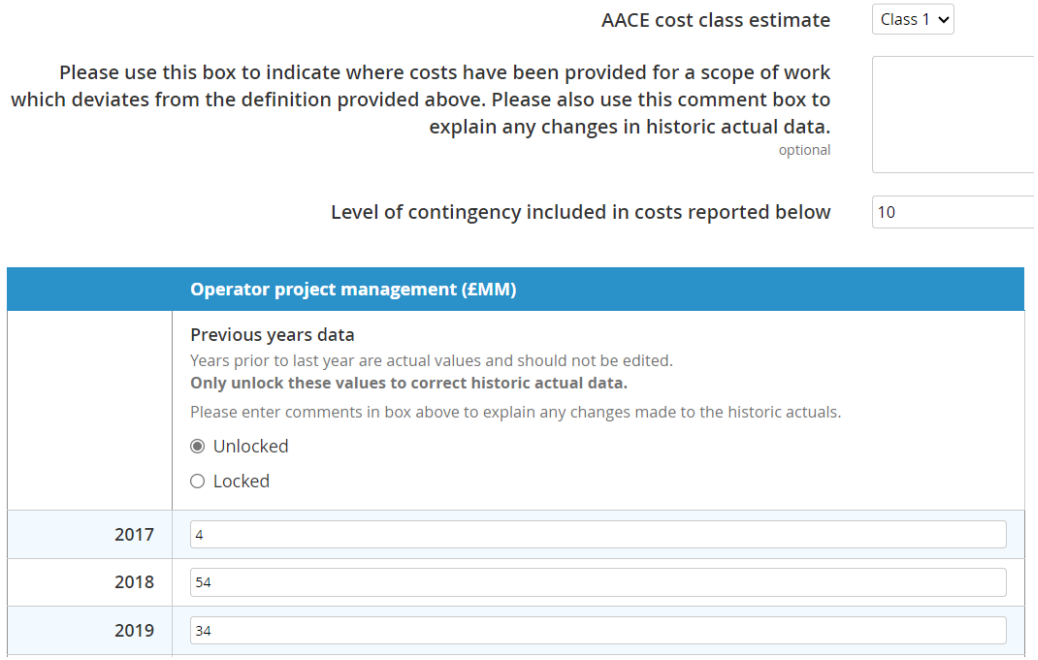
Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Operator project management

The owner's direct costs for management and engineering, preparation of documentation, presentation and related, including:

- Project Management Core Team.
- Stakeholder engagement.
- Studies to support Decommissioning Programmes and scope definition/ method development.
- Decommissioning programme preparation and decommissioning programme reporting / close out (admiralty charts, fish safe etc).



Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Post CoP running costs

Post CoP running costs as they refer to the management and operation of the installation. Where relevant this includes:

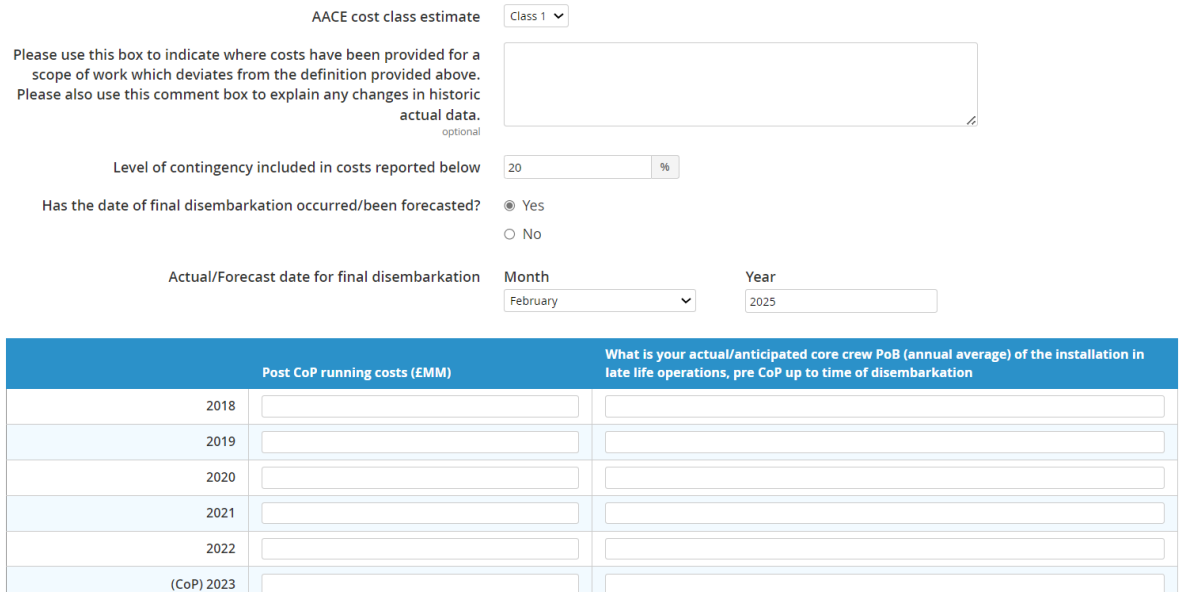
- Logistics (aviation & marine).
- Operations Team.
- Deck Crew.
- Power Generation.
- Platform Services.
- Integrity management (Inspection and maintenance).
- Operations specialists services e.g., waste management.
- Guard vessel costs should also be included here.

For FPSO removal projects please insert costs from the CoP date to the date of handover (i.e., at port or other).

Please also include associated PoB of core crew* (average per annum) where applicable for this cost.

*Core crew: e.g., operations and maintenance team, catering, medic, heliops etc. plus topside preparation team and well decommissioning team.

As this is the first year that the PoB core crew annual average has been asked, years prior to 2023 are unlocked for you to enter historical data (if known). Please leave historical data blank if you are unable to complete. Historical data will then be locked for editing in future years.



AACE cost class estimate: Class 1

Please use this box to indicate where costs have been provided for a scope of work which deviates from the definition provided above. Please also use this comment box to explain any changes in historic actual data. optional

Level of contingency included in costs reported below: 20 %

Has the date of final disembarkation occurred/been forecasted? Yes / No

Actual/Forecast date for final disembarkation: Month: February; Year: 2025

	Post CoP running costs (£MM)	What is your actual/anticipated core crew PoB (annual average) of the installation in late life operations, pre CoP up to time of disembarkation
2018		
2019		
2020		
2021		
2022		
(CoP) 2023		

Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Well decommissioning 1 of 2

The costs for well P&A (both platform and subsea) include:

- Facilities Upgrade
- Studies to support well programmes
- Well suspension (spread rate/duration)
- Wells project management
- Operations support
- Specialist services e.g., Wireline
- Conductor recovery
- Cleaning and recycling
- Vessel costs

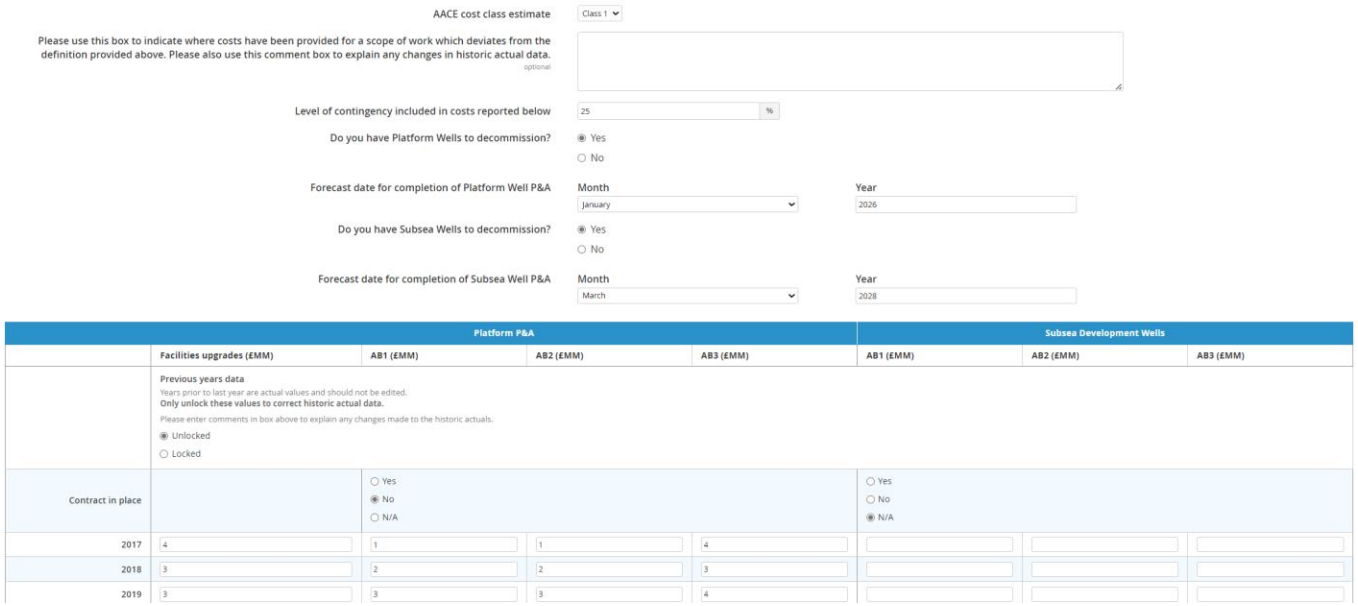
Subsea development wells
Subsea development wells only, please exclude any E&A well costs. These will feature in the Wells section of the survey only.

Contract in place
Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.

Previous years costs will be copied forward as follows: Rig upgrades (£MM) (Survey 2022) copied into Facilities upgrades (£MM) (Survey 2023). Conductor Removal (Survey 2022) copied into AB3 (Survey 2023).

There is an additional question about forecast date of completion for well P&A work.



Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Well decommissioning 2 of 2

Facilities Upgrade
Examples of facilities upgrade may include, but not limited to: rig reactivation, modular unit, Hydraulic Workover Unit installation, procurement of special equipment, recertification, platform upgrades, rig upgrades, others. (please provide a description of these costs using the comment box above)

AB1, AB2, AB3
Please record the platform and subsea wells forecast cost by mechanical status where applicable. If well decommissioning is phased over multiple years identify costs in the correct mechanical status.

e.g., if the platform well decommissioning programme is £10MM total, see examples and table below to illustrate how to record the forecast cost.

Example 1 – all phases of abandonment are complete in 2023, and costs can be reported per mechanical status. **How to record:** split cost by mechanical status to reach the total.
Example 2 - all phases of abandonment up to final abandonment status are complete in 2024, and costs are NOT able to be reported per mechanical status. **How to record:** put all cost into final mechanical status (e.g., AB3).
Example 3 – AB2 complete in 2025 and AB3 complete in 2026. **How to record:** split total cost by mechanical status and year.

Also, where activities span multiple calendar years report the cost proportionally e.g., if AB2 abandonment is phased across 2023 and 2024 proportion well costs across the two years.

	Platform P&A			
Year	**AB1**	**AB2**	**AB3**	**Example**
2023	£5MM	£3MM	£2MM	1
2024			£10MM	2
2025		£8MM		3
2026			£2MM	

Mechanical Status (please ensure you add the costs in the correct column)
AB1: A wellbore where the reservoir has been permanently isolated. The wellbore below the barrier is no longer accessible.
AB2: All required permanent isolation barriers have been installed and verified (including environmental barriers). No “in-well” work is required to fully decommission the well. The well origin and conductor above the well origin may still require to be removed.
AB3: The well origin and all conductor above the well origin have been removed.

Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Facilities & pipelines permanent isolation & cleaning

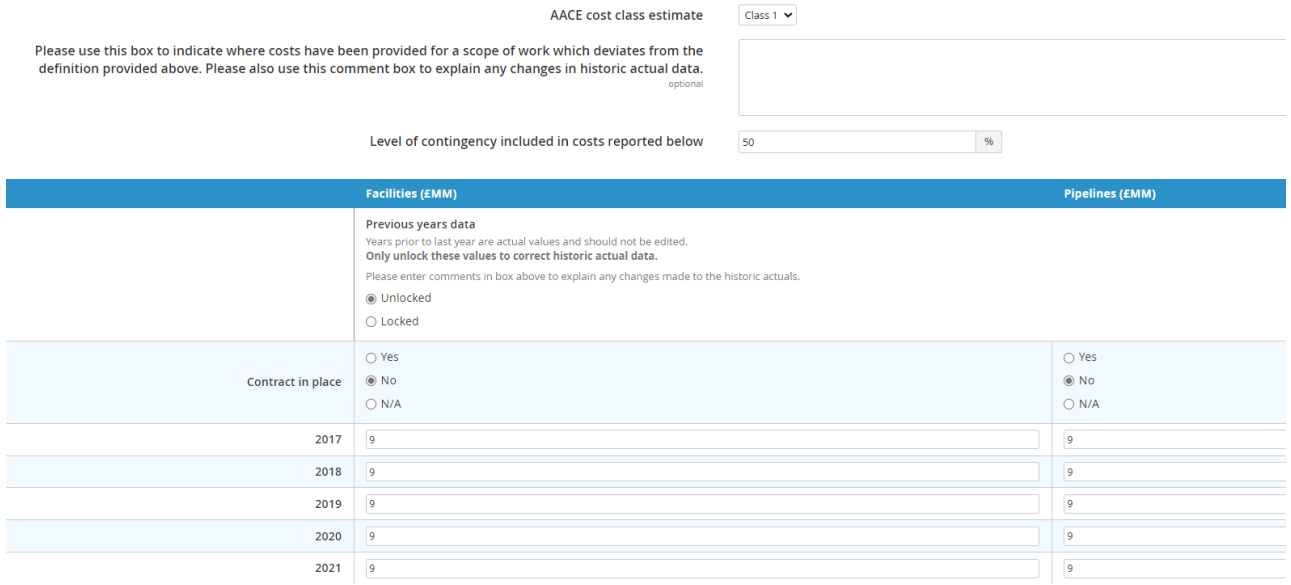
This includes costs for the permanent isolation & cleaning of facility and pipelines such as:

- Operations drain, flush, purge & vent.
- Engineering down including: physical isolation, de-energise, vent & drain.
- All cleaning costs (including removal of hazardous wastes, hydrocarbon freeing of equipment, pipeline pigging etc).
- Waste Management.

Contract in place

Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.



AACE cost class estimate: Class 1

Please use this box to indicate where costs have been provided for a scope of work which deviates from the definition provided above. Please also use this comment box to explain any changes in historic actual data. optional

Level of contingency included in costs reported below: 50 %

	Facilities (£MM)	Pipelines (£MM)
	Previous years data Years prior to last year are actual values and should not be edited. **Only unlock these values to correct historic actual data.** Please enter comments in box above to explain any changes made to the historic actuals. ◉ Unlocked ○ Locked	
Contract in place	○ Yes ◉ No ○ N/A	○ Yes ◉ No ○ N/A
2017	9	9
2018	9	9
2019	9	9
2020	9	9
2021	9	9

Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Topside preparation

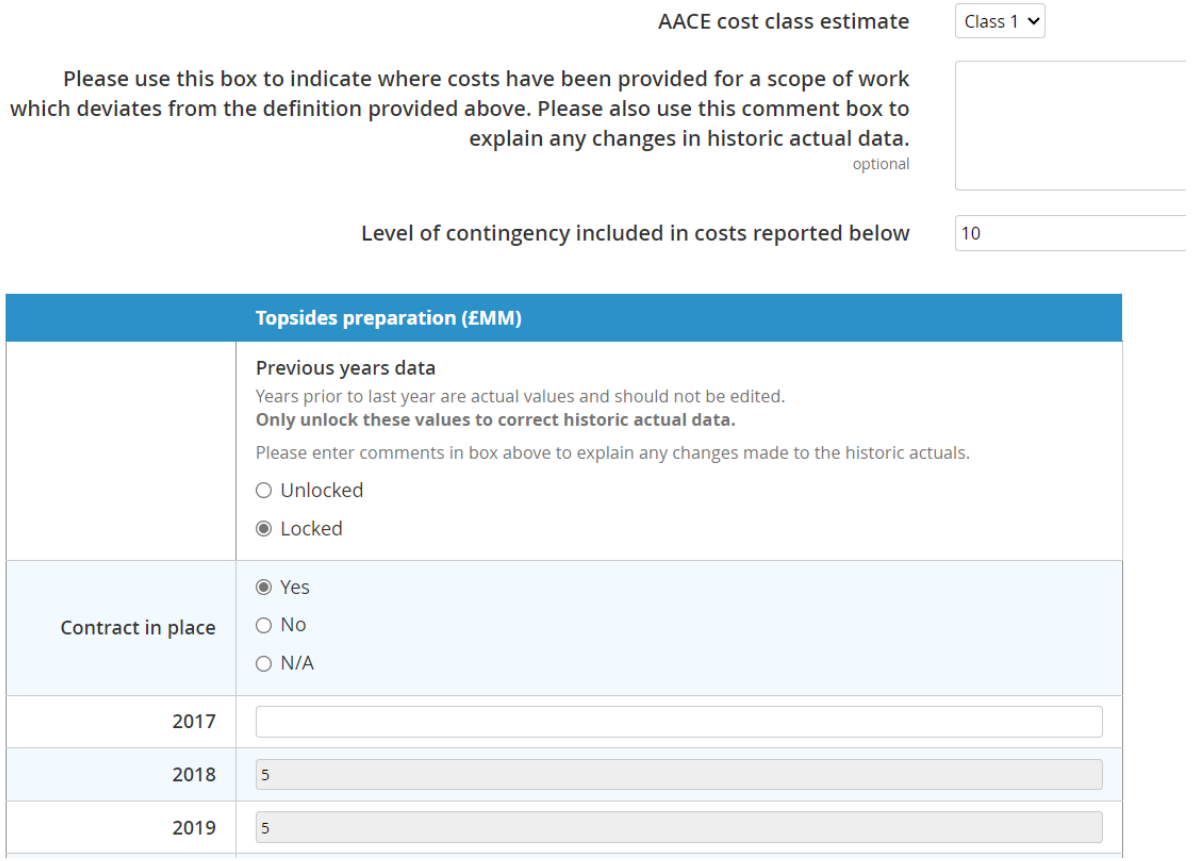
This includes costs for:

- Engineering up of temporary utilities e.g., power, air and water.
- Module process & utilities separation.
- Dropped object surveys and subsequent remedial actions.

Contract in place

Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.



AACE cost class estimate: Class 1

Please use this box to indicate where costs have been provided for a scope of work which deviates from the definition provided above. Please also use this comment box to explain any changes in historic actual data.
optional

Level of contingency included in costs reported below: 10

	Topsides preparation (£MM)
	Previous years data Years prior to last year are actual values and should not be edited. **Only unlock these values to correct historic actual data.** Please enter comments in box above to explain any changes made to the historic actuals. ○ Unlocked ◉ Locked
Contract in place	◉ Yes ○ No ○ N/A
2017	
2018	5
2019	5

Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Topside removal and Substructure removal

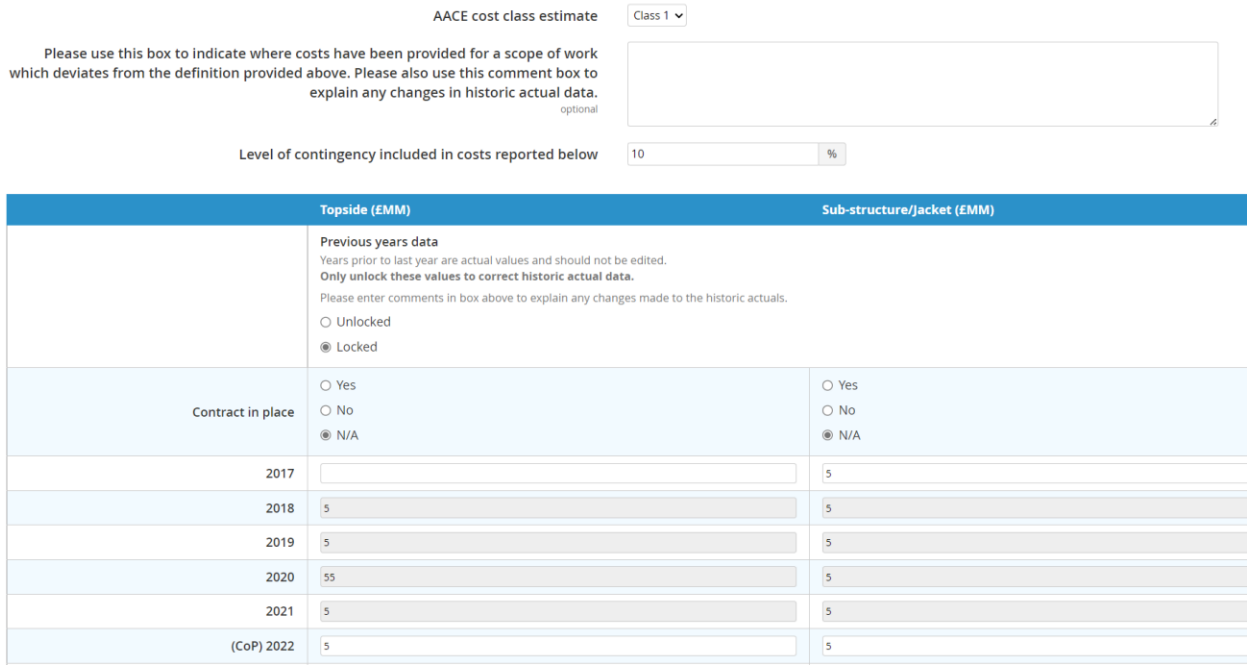
Topside Removal cost includes activities such as:
- Removal preparation (reinforcements and structural separation for removal)
- Major lift operations
- Vessel operations
- Sea-fastening
- Transportation and load-in
- Logistics and management associated with topsides removals

If there is only a total value for topside and jacket removal combined, please place the cost in the Topsides column and place a comment to this effect in the useful information box.

Substructure Removal costs include activities such as:
- Removal preparation
- Removal
- Vessel
- Sea-fastening
- Transportation and load-in
- Logistics and management associated with substructure removals
- FPSO disconnection & removal cost (Riser cutting etc. included in Subsea)

Contract in place
Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.



Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Subsea infrastructure

This includes costs associated with the decommissioning of subsea infrastructure including:

- Vessel preparation for subsea end-state (remove, trench, rock-dump)
- Sea fastening & transportation
- Load-in
- Subsea project management
- Waste management accounting (traceability of all streams)
- Removal: subsea structures, umbilicals, mattresses
- Logistics and management associated with subsea decommissioning

Subsea infrastructure lump sums should be added to "Other (Manifolds/SSIV/Christmas trees etc.)".

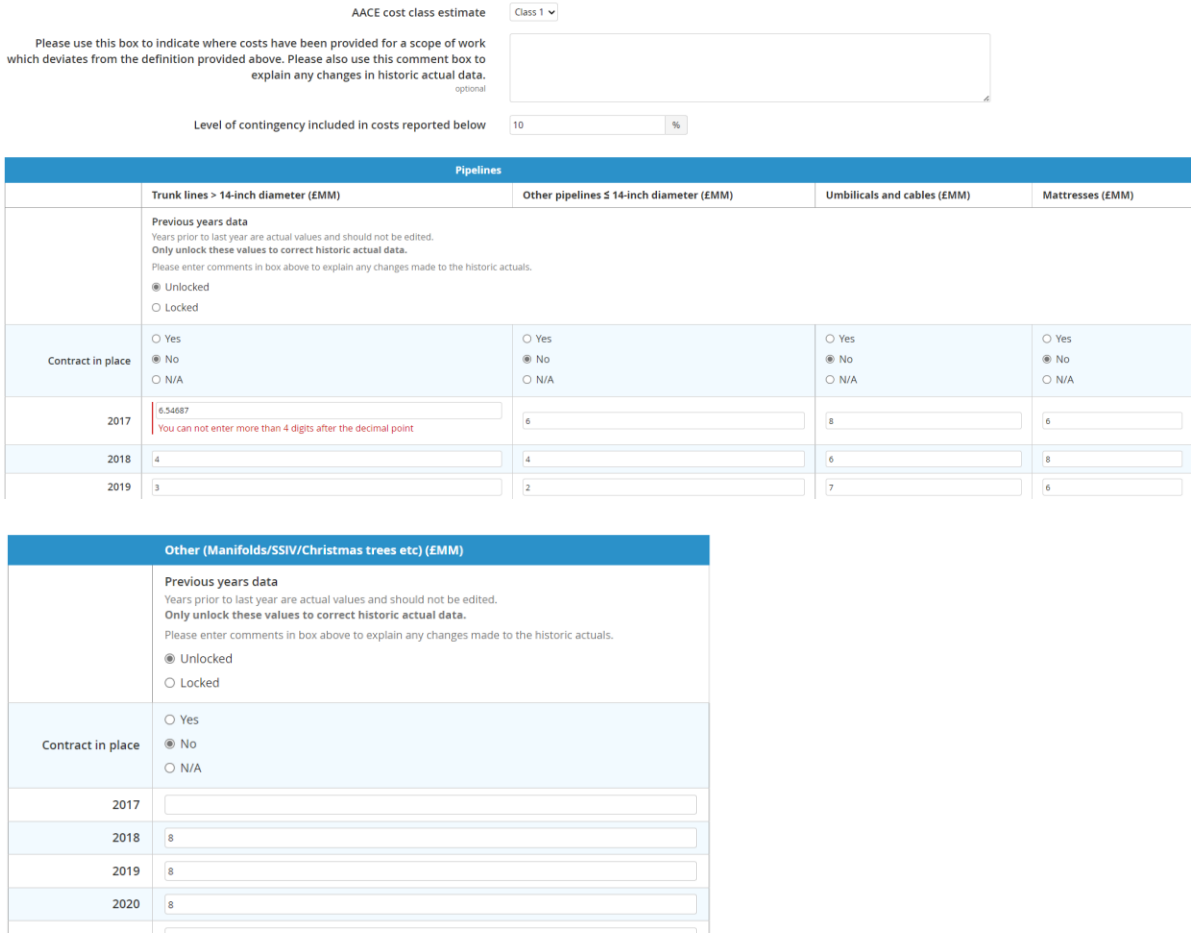
If used - please include a high-level note to explain the expected content of the lump sum i.e., pipelines, umbilicals, jumpers, manifolds, mattresses etc.

Contract in place

Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.

Please note, you will not be able to submit numerical data of more than 3 decimal places in the cost estimate subsea infrastructure section.



AACE cost class estimate: Class 1

Please use this box to indicate where costs have been provided for a scope of work which deviates from the definition provided above. Please also use this comment box to explain any changes in historic actual data. optional

Level of contingency included in costs reported below: 10 %

Pipelines

	Trunk lines > 14-inch diameter (£MM)	Other pipelines ≤ 14-inch diameter (£MM)	Umbilicals and cables (£MM)	Mattresses (£MM)
	Previous years data Years prior to last year are actual values and should not be edited. **Only unlock these values to correct historic actual data.** Please enter comments in box above to explain any changes made to the historic actuals. ◉ Unlocked ○ Locked			
Contract in place	○ Yes ◉ No ○ N/A	○ Yes ◉ No ○ N/A	○ Yes ◉ No ○ N/A	○ Yes ◉ No ○ N/A
2017	6.54687 You can not enter more than 4 digits after the decimal point	6	8	6
2018	4	4	6	8
2019	3	2	7	6

Other (Manifolds/SSIV/Christmas trees etc) (£MM)

	Previous years data Years prior to last year are actual values and should not be edited. **Only unlock these values to correct historic actual data.** Please enter comments in box above to explain any changes made to the historic actuals. ◉ Unlocked ○ Locked
Contract in place	○ Yes ◉ No ○ N/A
2017	
2018	8
2019	8
2020	8

Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Topsides and substructure onshore disposal

Activities include:

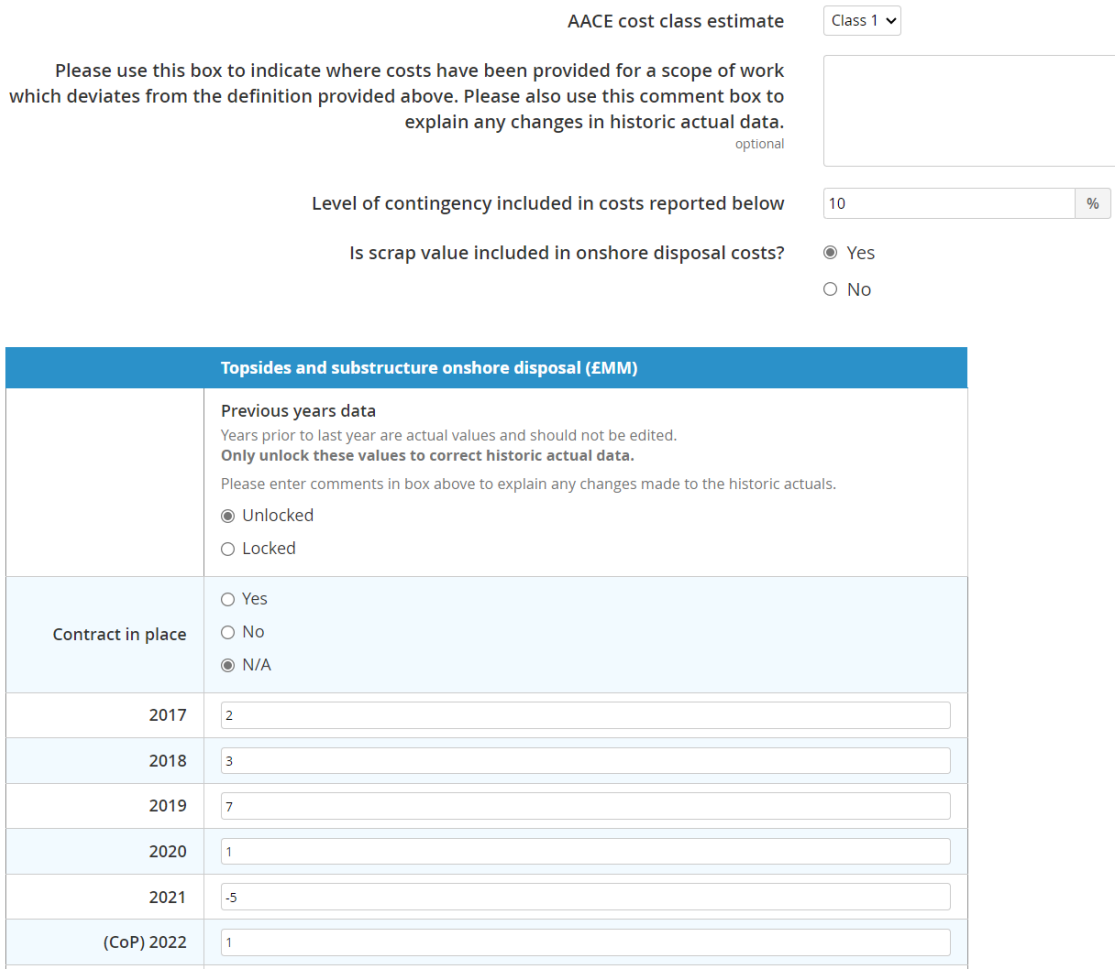
- Onshore cleaning and handling of hazardous waste
- Onshore deconstruction
- Re-use, recycle, and final disposal
- Transportation to point of sale and/or onshore disposal
- Waste management accounting (traceability of all streams)

Onshore disposal volumes should include marine growth.

Where relevant please indicate scrap values for onshore disposal by adding as a negative value.

Contract in place
Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.



AACE cost class estimate: Class 1

Please use this box to indicate where costs have been provided for a scope of work which deviates from the definition provided above. Please also use this comment box to explain any changes in historic actual data.
optional

Level of contingency included in costs reported below: 10 %

Is scrap value included in onshore disposal costs? (•) Yes ( ) No

Topsides and substructure onshore disposal (£MM)	
	Previous years data Years prior to last year are actual values and should not be edited. **Only unlock these values to correct historic actual data.** Please enter comments in box above to explain any changes made to the historic actuals. (•) Unlocked ( ) Locked
Contract in place	( ) Yes ( ) No (•) N/A
2017	2
2018	3
2019	7
2020	1
2021	-5
(CoP) 2022	1

Estimates, forecasts and actuals

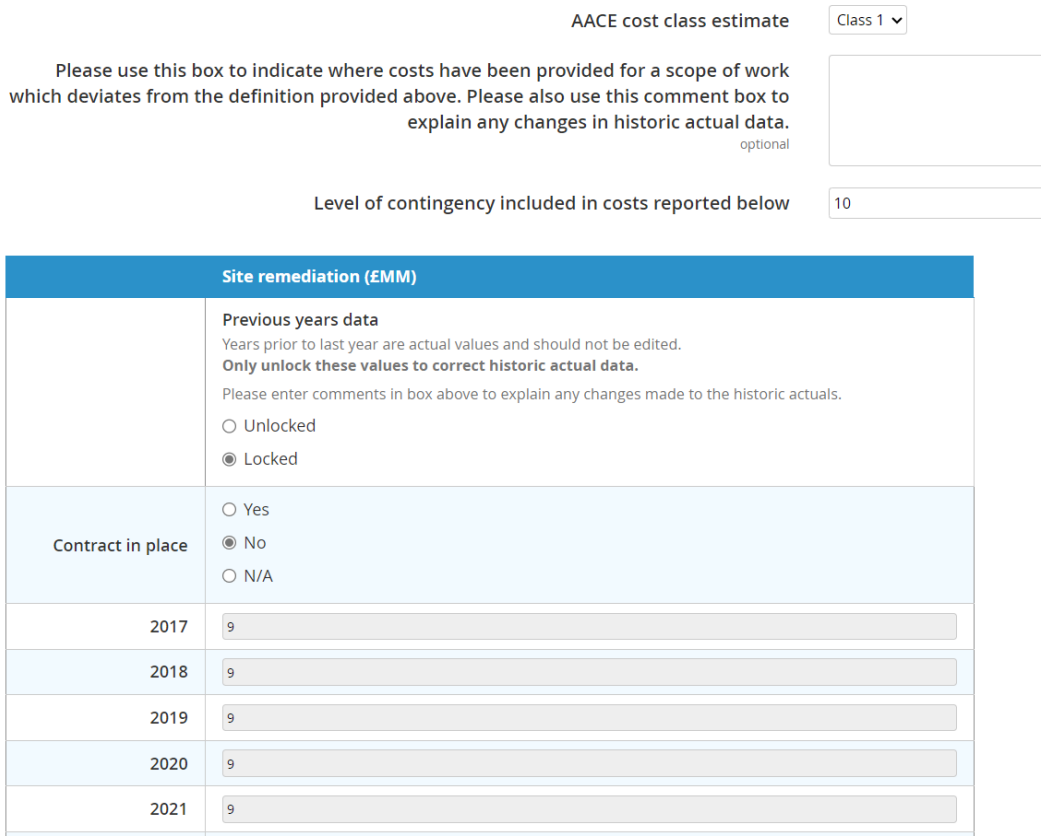
North Sea Transition Authority

Cost Estimates – Site remediation

This includes:
- Pile management
- Oil field debris clearance (500 metre zone)
- Over-trawl surveys

Contract in place
Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.



AACE cost class estimate: Class 1

Please use this box to indicate where costs have been provided for a scope of work which deviates from the definition provided above. Please also use this comment box to explain any changes in historic actual data.
optional

Level of contingency included in costs reported below: 10

Site remediation (£MM)	
	Previous years data Years prior to last year are actual values and should not be edited. **Only unlock these values to correct historic actual data.** Please enter comments in box above to explain any changes made to the historic actuals. ○ Unlocked ◉ Locked
Contract in place	○ Yes ◉ No ○ N/A
2017	9
2018	9
2019	9
2020	9
2021	9

Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Post Decommissioning Monitoring

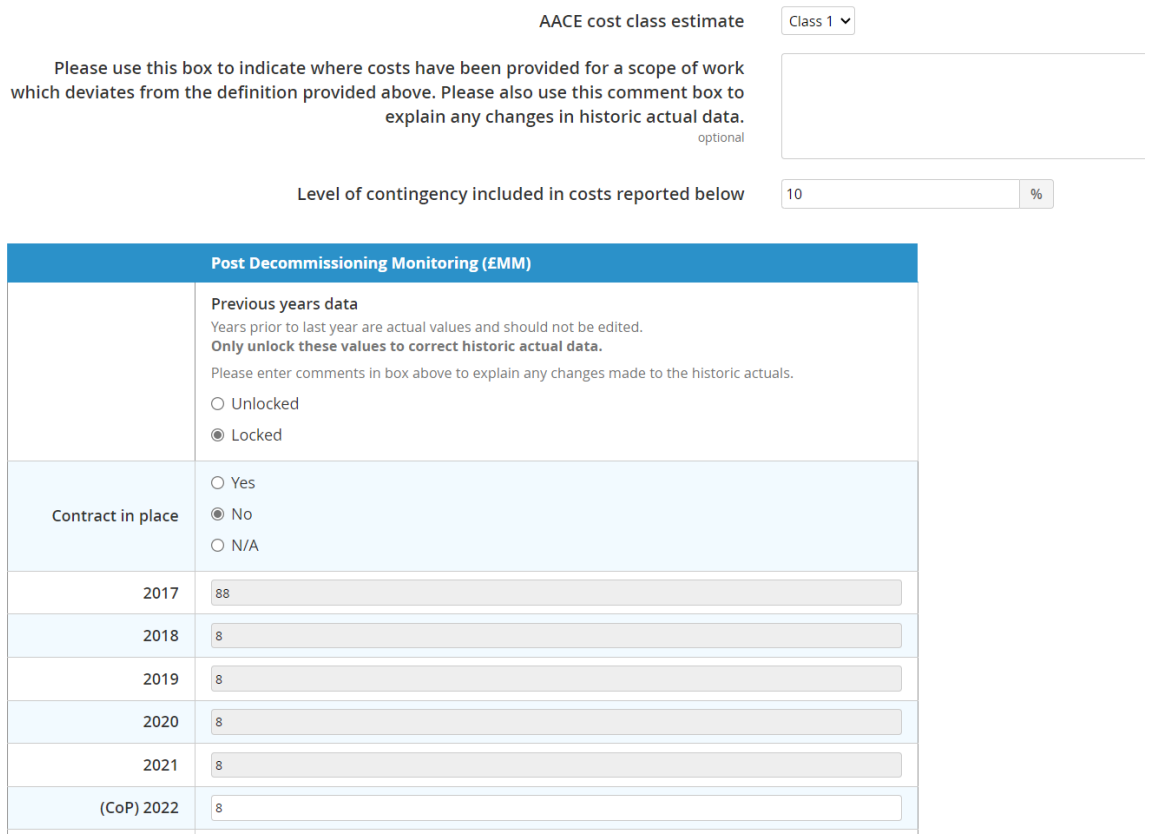
Post decommissioning monitoring programme as agreed with DESNZ. This includes the immediate post decommissioning survey and subsequent survey and monitoring costs including:

- Navigation aids maintenance
- Monitoring program for any facilities that remain

Contract in place

Please indicate if contracts have been placed for each of the forecast tasks or activities; this is valuable information for the supply chain.

Contract selection will be copied forward from previous years submission.



AACE cost class estimate: Class 1

Please use this box to indicate where costs have been provided for a scope of work which deviates from the definition provided above. Please also use this comment box to explain any changes in historic actual data. optional

Level of contingency included in costs reported below: 10 %

Post Decommissioning Monitoring (£MM)	
	Previous years data Years prior to last year are actual values and should not be edited. **Only unlock these values to correct historic actual data.** Please enter comments in box above to explain any changes made to the historic actuals. ○ Unlocked ◉ Locked
Contract in place	○ Yes ◉ No ○ N/A
2017	88
2018	8
2019	8
2020	8
2021	8
(CoP) 2022	8

Estimates, forecasts and actuals

North Sea Transition Authority

Cost Estimates – Total Expenditure

The Total expenditure is auto calculated from the data entered in the sections above.

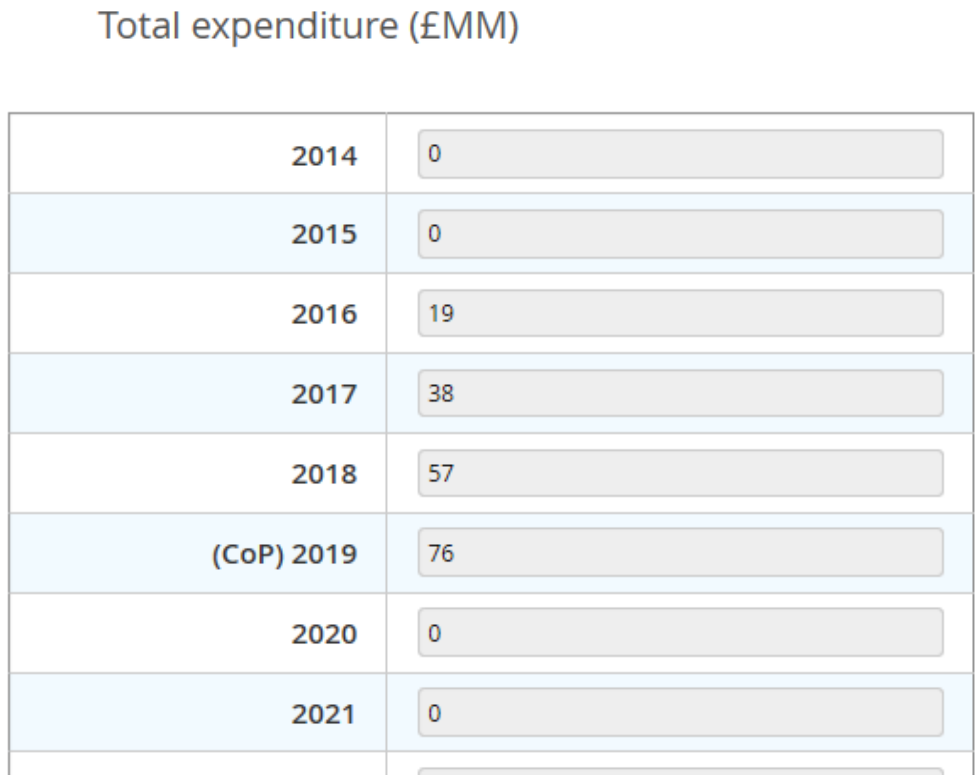
It is expected that the estimate and phasing (previous year (2022), actual year (2023), forecasted years) of Total expenditure entered will match the decommissioning estimate provided in the ACTIVITY section of the survey.

Note: the DECOMMISSIONING section is at Asset level, and therefore the addition of all assets' Total expenditure (from 2022 onwards) should equate to the Total expenditure in the ACTIVITY section of the survey.

If there is an error in the ACTIVITY section of the survey, you can revisit the ACTIVITY section and amend. If the ACTIVITY section is already submitted, please contact stewardshipsurvey@nstauthority.co.uk who will reopen the section for you to allow you to amend.

If there is a discrepancy between the ACTIVTY survey and the below estimate and phasing, please clarify the reason(s) in the comments. This will remove the requirement for a query being raised during the NSTA survey QC process.

You will now be able to check estimates and phasing in the Cost Review page.



Estimates, forecasts and actuals

North Sea Transition Authority

Quantities and Weights – Well P&A and Facilities & pipelines permanent isolation & cleaning, topsides preparation and removal

For the wells and infrastructure to be decommissioned, the corresponding well numbers and weights/quantities should be listed in this section.

Well P&A
Where there are costs quoted in the Cost of Well Decommissioning section, the corresponding scope / number of wells decommissioned to their final mechanical status per year should be provided here.

If any value was inserted into the AB1, AB2 or AB3 columns in the cost estimate section you will be prompted via red text to enter a value. Please only count the wells that have reached their final mechanical status for that year, count as 0 if no wells reached the final mechanical status that year.

The total number should equal the total number of wells to be decommissioned for that asset, please double check that the total matches your records.

Subsea wells data should include subsea development wells only, please exclude any E&A well data. These will feature in the Wells section of the survey only.

EXAMPLE: For well quantity, if the example data on **slide 11** was entered into the cost estimate section, then red text would appear for years 2023, 2024, 2025 & 2026. However, as the data in year 2025 relates to the well that is complete in 2026 you would count this as 0 in 2025. All other years would be counted as 1 as they are the final mechanical statuses for those wells.

All data, historic actuals and forecast, will be copied from the previous years survey.

This section was previously called 'Activity Forecast'.

We ask for data on: Well P&A; Making safe, topsides preparation and removal; FPSO removal, subsea infrastructure, topsides and substructure onshore recycling and Subsea Infrastructure including pipeline details.

Well P & A

	Platform wells (number)	Platform wells (rig/unit type)	Subsea development wells (number)	Subsea development wells (rig/unit type)
2018				
2019				
2020				
2021				
2022			4	Other rigless ×
2023 (CoP)	Enter the total number of decommissioned platform wells that have reached their final mechanical status for this year, otherwise count as 0	Must enter rig/unit type: A platform well decommissioning cost estimate has been set for this year		
2024	2	Stand-alone Jack-up ×	3	Integral Rig ×
2025				

Facilities & pipelines permanent isolation & cleaning, topsides preparation and removal

	Facilites & pipelines permanent isolation & cleaning		Topsides preparation		Removal	
	Topside (numbers of modules, including FPSO Topsides)	Kilometres of pipeline	Numbers of modules (including FPSO Topsides)	Topside (total weight tonnes)	Substructure (jacket) tonnes to be removed	Number of subsea structures to be removed
2014						
2015						
2016	1	1	1	1	1	1
2017	2	2	2	2	2	2
2018	3	3	3	3	3	3
2019 (CoP)	4	4	4	4	4	4
2020	5	5	5	5	5	5
2021	6	6	6	6	6	6
2022	7	7	7	7	7	7

Estimates, forecasts and actuals

North Sea Transition Authority

Quantities and Weights – FPSOs, subsea infrastructure, topsides and substructure onshore recycling

For the wells and infrastructure to be decommissioned, the corresponding well numbers and weights/quantities should be listed in this section.

FPSOs
Please indicate the total steel weight of FPSOs to be decommissioned. This should be the weight of the vessel and not the displacement weight.

	FPSO	Subsea infrastructure (tonnes to be lifted)	Topsides and substructure onshore disposal
	Steel weight of FPSO (tonnes)	Other (Manifolds/SSIV/Christmas trees etc)	Total tonnage coming onshore
2014			
2015			
2016	1	1	1
2017	2	2	2
2018	3	3	3
2019 (CoP)	4	4	4
2020	5	5	5
2021	6	6	6

Estimates, forecasts and actuals

North Sea Transition Authority

Quantities and Weights – Subsea infrastructure

For the wells and infrastructure to be decommissioned, the corresponding well numbers and weights/quantities should be listed in this section.

Subsea infrastructure
Subsea Infrastructure includes:

- Pipelines
- Trunk Lines (1)
- Other Pipelines (2)
- Umbilicals and cables (3)
- Mattresses

Pipelines are defined as a pipe or system of pipes (excluding a drain or sewer) for the conveyance of any fluid, together with any apparatus and works associated with such a pipe or system. **Pipelines** include flexible pipelines and bundles.

1. **Trunk lines** are defined as pipelines with a diameter greater than 14-inches and a length in excess of 18km.

2. **Other Pipelines** should include pipelines out with the trunk line classification. This includes tie backs, short flow lines and bundles. If this includes bundles of pipelines please indicate in the other useful information box. Umbilicals and cables have been given their own category.

3. **Umbilicals and cables** are defined as utility support pipes.

Please also indicate the length of pipeline expected to be removed in kilometres.
The pipeline dropdown list is now connected to the new Pipeline Works Authorisations (PWA) service.

Please note, you will not be able to submit numerical data of more than 3 decimal places in the quantities and weights subsea infrastructure section and text entries will not be accepted.

Pipelines

	Trunk lines: > 14-inch OD, including bundles Other: ≤14-inch OD	Pipeline number	Total length	Length of pipeline to be removed	Actions
2035	Trunk lines: + Add pipeline				
	Other pipelines: + Add pipeline				
2036	Trunk lines: + Add pipeline				
	Other pipelines: + Add pipeline				
2037	Trunk lines: + Add pipeline				
	Other pipelines: + Add pipeline				
2038	Trunk lines: + Add pipeline	You must enter this item	km You must enter this item	tbc km Invalid decimal value tbc	Remove
	Other pipelines: + Add pipeline	You must enter this item	km You must enter this item	1.44444444 km You can not enter more than 4 digits after the decimal point	Remove

	Umbilicals		Mattresses
	Number of umbilicals/cables	Total length of umbilicals/cables (km)	Number of mattresses
2014			
2015			
2016	1	1	1
2017	2	2	2
2018	3	3	3
2019 (CoP)	4	4	4
2020	5	5	5
2021	6	6	6

Estimates, forecasts and actuals

North Sea Transition Authority

2023 Well P and A actuals (1 of 3)

This section is seeking the out-turn costs from decommissioning works performed in 2023. This data will be collected annually so that a suitable number of data points are compiled, and benchmarking data can be developed over time.
Please only include if final costs are known or have a high degree of certainty for the latest mechanical status reached in 2023.

Notes:

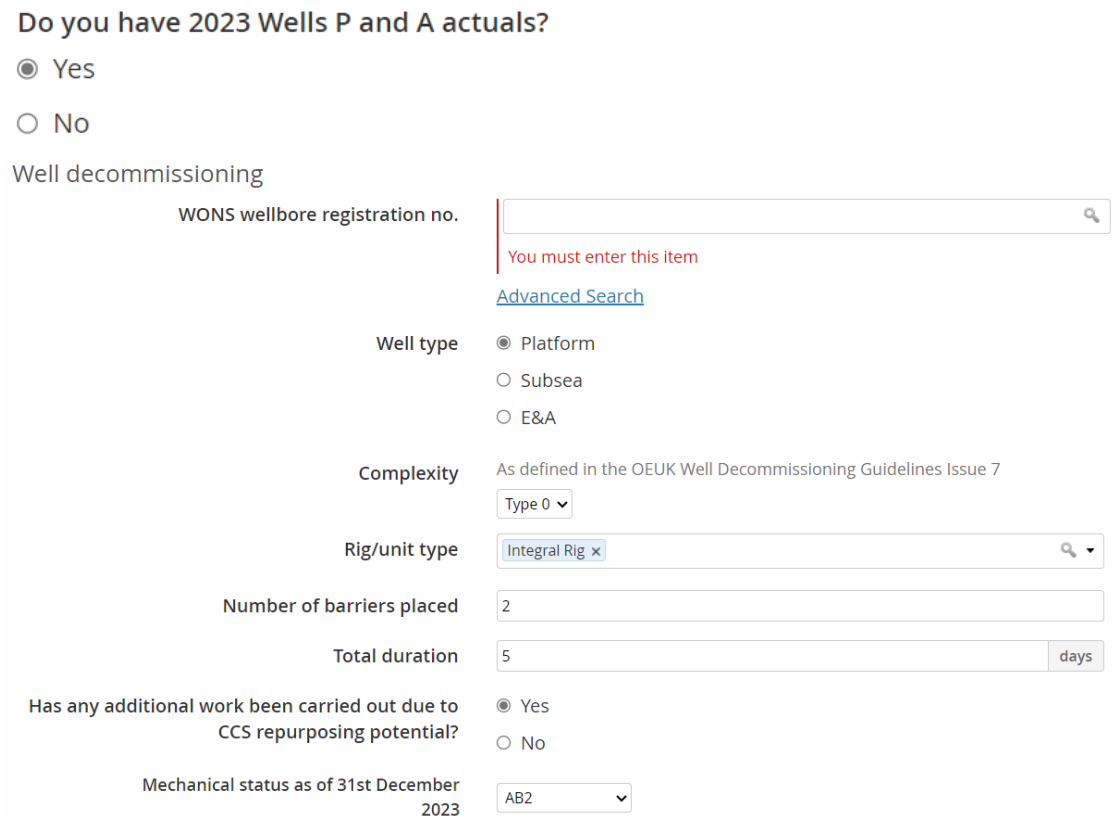
- For each WONS well number please select the latest mechanical status as at 31st December 2023 from the dropdown (see options & definitions on the next page). Please populate the well actuals with all the costs incurred in that reporting year e.g. 2023 costs only.
- Only identify facilities upgrade costs in the 'Facilities Upgrade' field, do not average the cost across the associated wells.
- When entering details of Well P&A, the well type will default to "Platform" unless the WONS number is attributed to "Subsea". Please double check the Well Type is correct and if it is incorrect, you have the ability to change this.

If you selected 'Yes' to the question 'Do you have Wells P and A actuals?' then you must answer additional questions.

Multiple wells can be added by clicking '+ Add Well'.

Total Duration: Cumulative time (days) spent on any aspects of well decommissioning in the survey year 2023. Duration reported should disregard any large breaks of time without active work on the well.

Only include duration associated with conductor/wellhead removal if it is part of the well abandonment programme. Conductor removal being executed as part of the jacket removal (e.g. heavy lift) should not be included.



Estimates, forecasts and actuals

North Sea Transition Authority

2023 Well P and A actuals (2 of 3)

Mechanical Status Dropdown Options and Definitions:

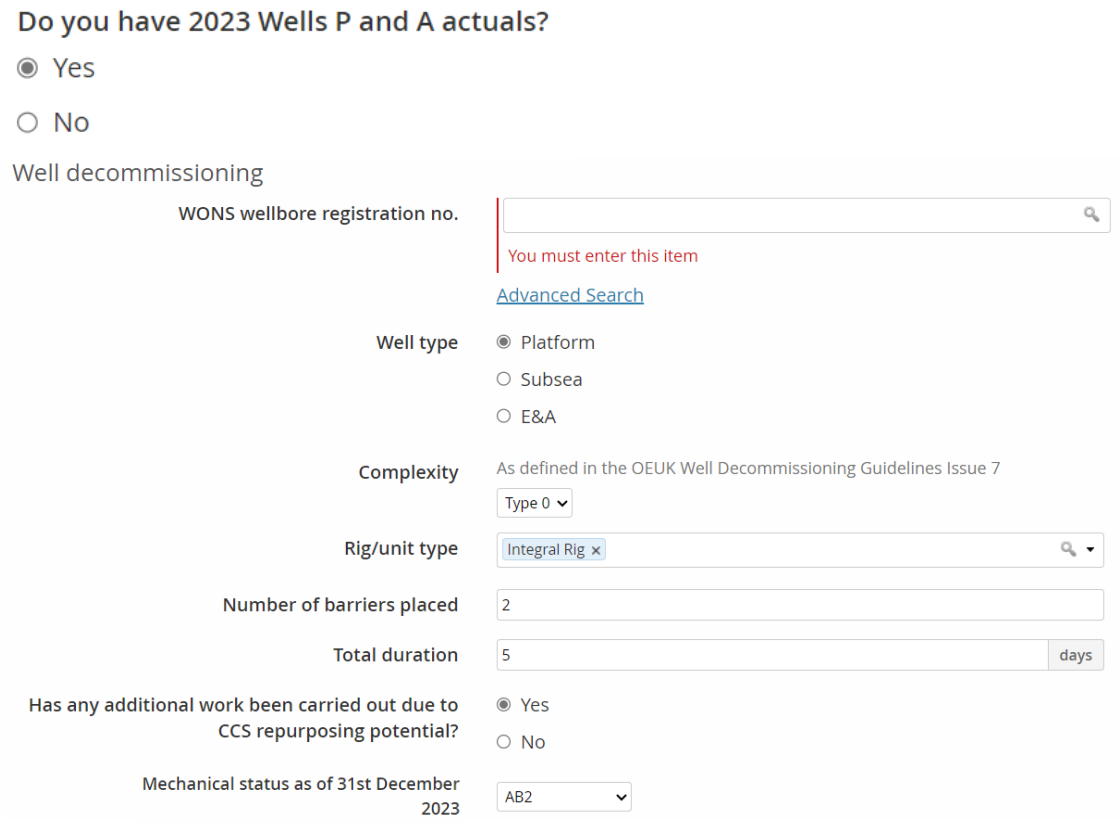
Plugged: A wellbore that has been temporarily plugged with a plug rather than a permanent isolation barrier. This includes inactive wells where the control system has been disconnected so the well is effectively plugged with the subsurface safety valve and tree valves. Note that licence clauses refer to “plugging” and “plugged and abandoned” “plugged and sealed”, “plugging or sealing”, these should be interpreted in context of the licence and clause in question.

AB1: A wellbore where the reservoir has been permanently isolated. The wellbore below the barrier is no longer accessible.

AB2: All required permanent isolation barriers have been installed and verified (including environmental barriers). No “in-well” work is required to fully decommission the well. The well origin and conductor above the well origin may still require to be removed.

AB2 (derogated): All “in-well” isolation work is complete. Derogation to leave the well origin or well equipment, e.g. conductor, above the well origin has been granted by OPRED.

AB3: The well origin and all conductor above the well origin have been removed.



Estimates, forecasts and actuals

North Sea Transition Authority

2023 Well P and A actuals (3 of 3)

The Conductor / Wellhead Removal section will only be displayed when AB3 is selected as the latest mechanical status.

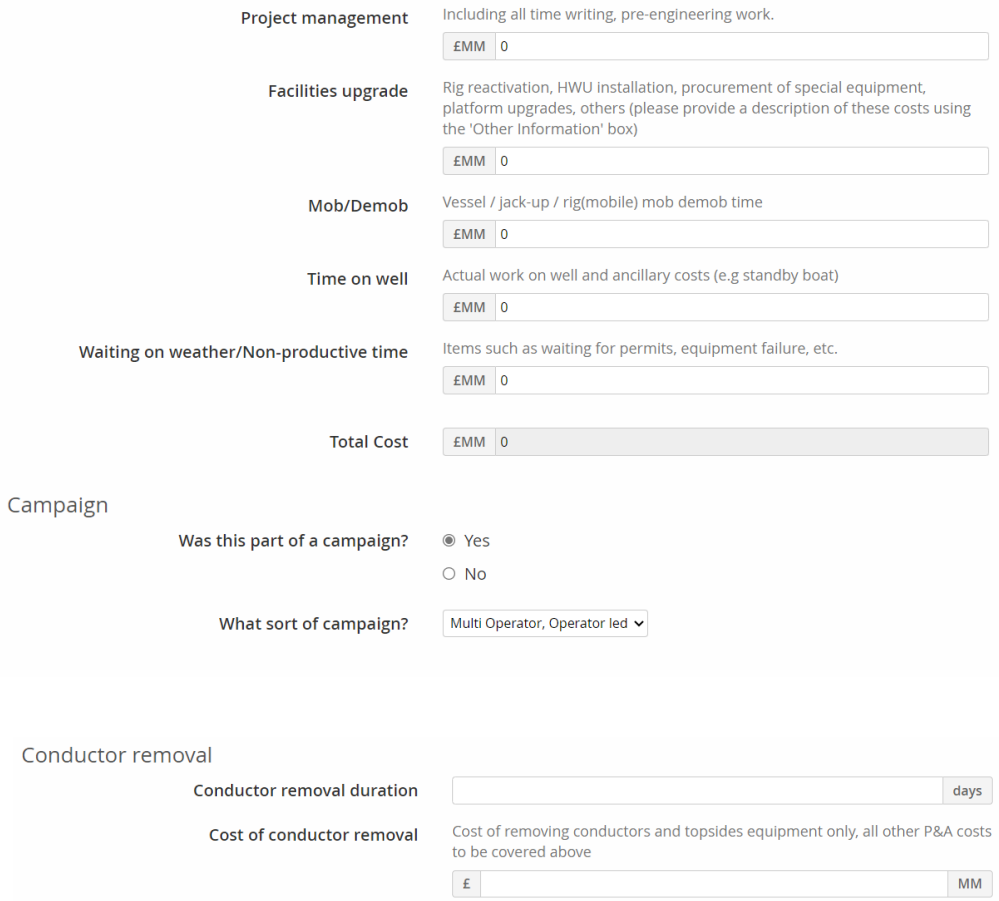
The cost of well decommissioning is split out into the following categories:

- Project Management
- Facilities upgrade
- Mob/Demob
- Time on well
- Waiting on weather / Non-productive time

The total cost is auto calculated.

Campaign: please indicate whether the well was part of a campaign and use the dropdown to describe the type of campaign

- **Single Operator:** The well has been decommissioned as part of an aggregated programme of activity across the portfolio of a single operator (i.e., multiple fields/licence areas). The campaign could be a designated decommissioning campaign or may include drilling/well intervention scopes.
- **Multi-Operator, Operator led:** The well has been decommissioned as part of an aggregated programme of activity across the portfolio of multiple operators. The combined scopes were tendered as one programme of activity, and the preferred contractor was agreed by all parties (Note: operators may secure services of the contractor under 1 contract or individual contracts). The campaign could be a designated decommissioning campaign or may include drilling/well intervention scopes.
- **Supply chain led:** The well has been decommissioned as part of an aggregated programme of activity across the portfolio of multiple operators. The campaign was formed by the contractor who aggregated multiple scopes of work from various operators into one programme of activity. The campaign could be a designated decommissioning campaign or may include drilling/well intervention scopes.



Estimates, forecasts and actuals

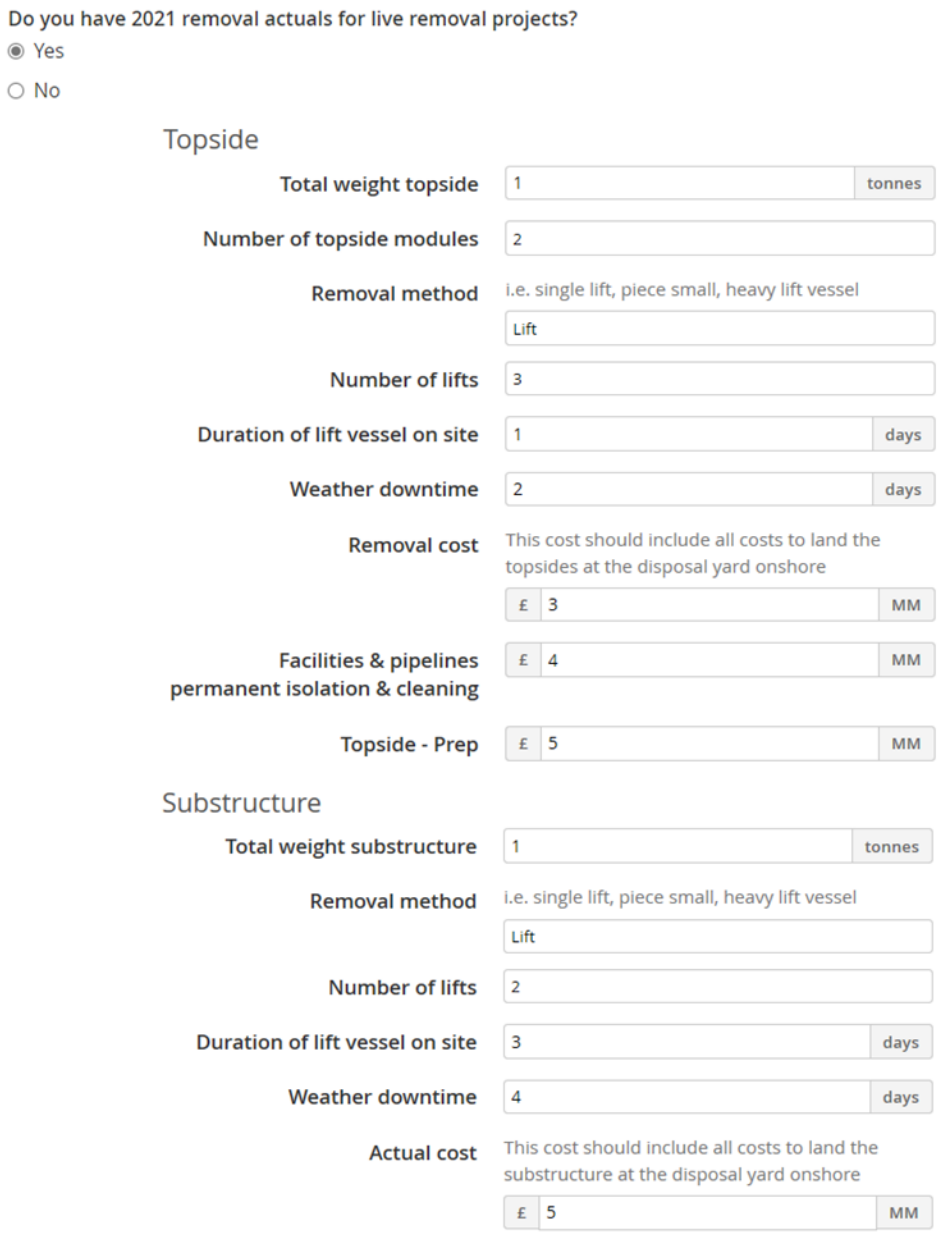
North Sea Transition Authority

2023 Removals actuals – recent removal project

This section is seeking the out-turn costs from decommissioning works performed in the **prior year (2023)**. This data will be collected annually so that a suitable number of data points are compiled and benchmarking data can be developed over time.

Please only include if final costs are known.

If you selected *'Yes'* to the question 'Do you have 2023 removal actuals for live removal projects?' then you must answer additional questions.



Estimates, forecasts and actuals

North Sea Transition Authority

2023 Subsea infrastructure actuals

This section is seeking the out-turn costs from decommissioning works performed in the **prior year (2023)**. This data will be collected annually so that a suitable number of data points are compiled and benchmarking data can be developed over time.

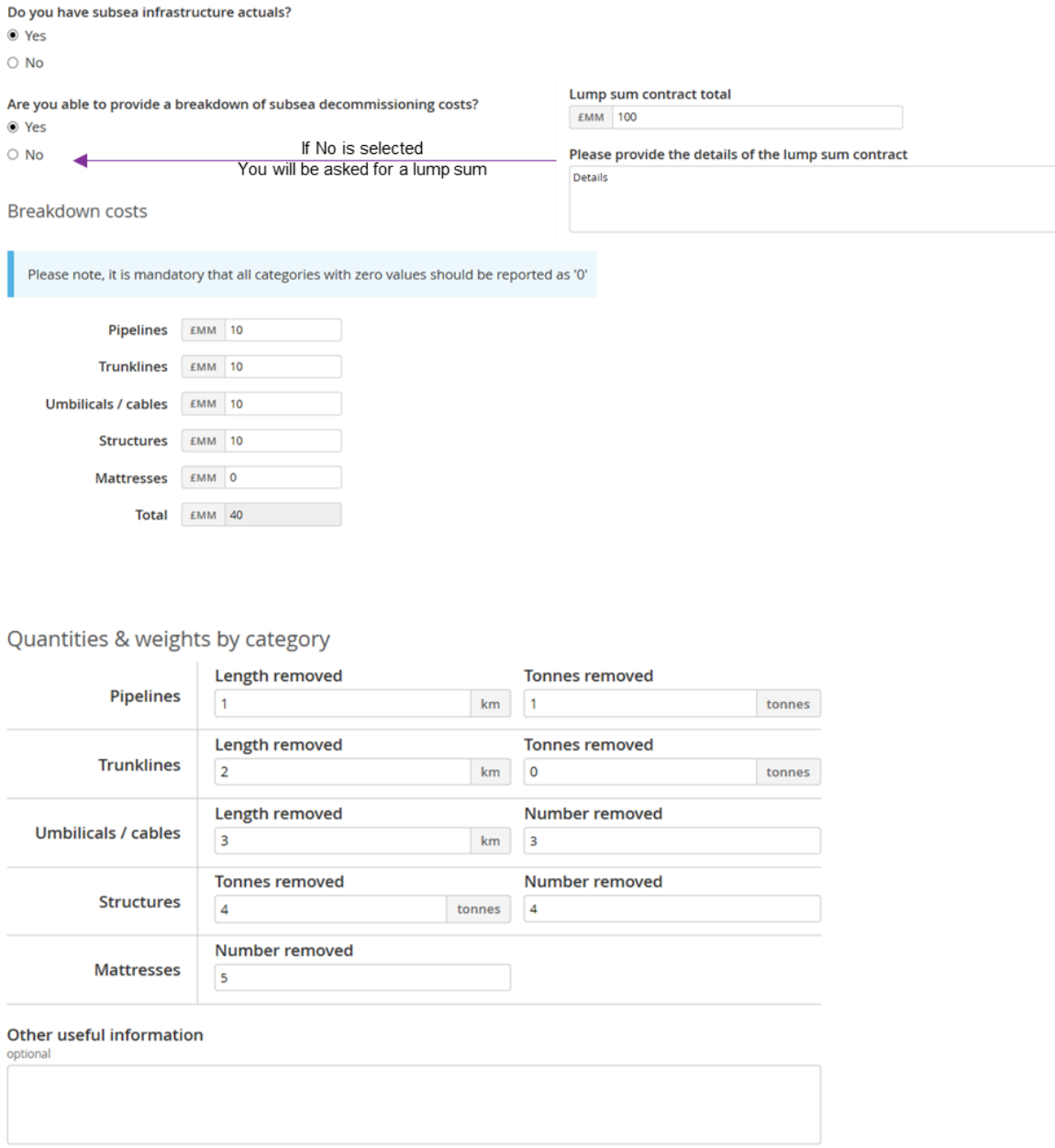
Please only include if final costs are known.

If you selected *'Yes'* to the question 'Do you have subsea infrastructure actuals?' then you must answer additional questions.

If you selected 'Yes' to the question 'Are you able to provide a breakdown of subsea decommissioning costs?' then you will be asked to provide a breakdown of costs and quantities & weights.

If you selected 'No' to the question 'Are you able to provide a breakdown of subsea decommissioning costs?' then you will be asked for a lump sum and for further details of this contract.

Quantities & weights by category
Please note the units in this section.



Cost Review

North Sea Transition Authority

Field Decommissioning costs comparison between the Decommissioning section and Activity section

Background:
We currently ask for decommissioning cost data in both the Activity and Decommissioning sections of the survey. We ask for high level forecasted cost data in the Activity section per field which is due earlier than the rest of the survey sections so that the data can be used to inform the NSTA's estimates and projections of expenditure and production which is provided to the Office of Budget Responsibility ahead of the Spring Statement. The decommissioning section asks for costs, along with other information, at a more granular asset level which is due later than the activity section to provide more time to submit this data.

How to use this page
This chart has been designed to help ensure the decommissioning cost profiles entered in the Decommissioning section of the survey are consistent with the decommissioning cost data entered in the Activity section.

Total decommissioning spend is expected to be within 5% and less than £MM 20. A warning will appear when spend is not within 5% and more than £MM 20. Please use the graph and data table to identify where the discrepancies lie.

In the chart below, summed total of field Activity base case plus sanctioned incremental decommissioning costs are compared to the summed totals of all assets within a field from the Decommissioning section for 2 years of outturn data and full technical profile.

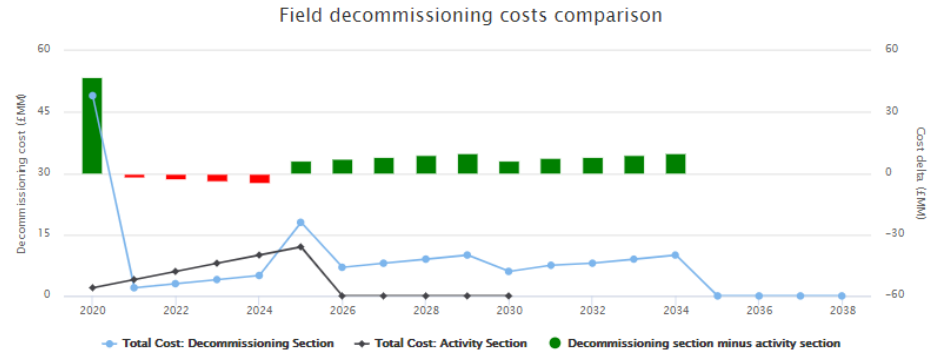
If warnings are generated but you believe discrepancies to be correct (e.g., E&A wells included in Activity Section), please clarify in the comment box.

This page has been designed to help ensure the decommissioning data entered into the Activity section of the survey matched that entered in the Decommissioning section of the survey.

The Activity section must be submitted before the graph can pull through the decom data.

If there are any issues highlighted by the graph in the Activity section, please request for the Activity section to be reopened.

For more information you can hover over a year to see the data, or click 'Show chart data as table'.



Show chart data as table

COP year comparison

Decommissioning section latest asset COP	2030
Activity section latest sanctioned COP	2023

Total decommissioning cost comparison

Asset total cost	£MM 155.5
Activity total cost	£MM 42

Warnings have been found

The following warnings have been found. You are still able to submit this section but you must first provide a comment.

The COP dates do not match (+/- 2 years).

Total decommissioning costs are not within 5%. Please check the graph and data table to identify discrepancies.

Unexpected year on year difference greater than 5% of the decommissioning section value and/or more than £MM25 detected between 2020 and 2031. Please check the graph and data table to identify discrepancies.

Please provide an explanation for the warnings above

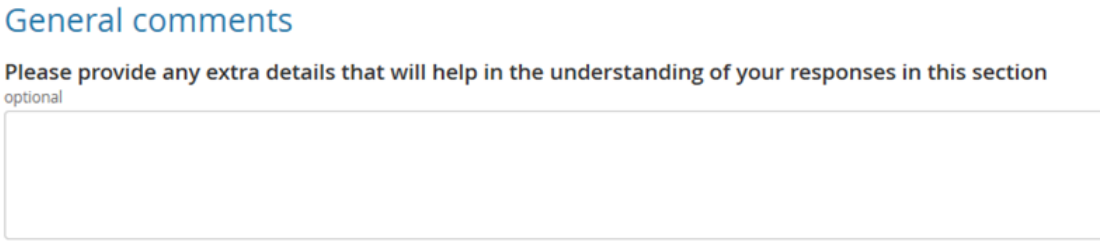
Explanation for each warning to be added here

Estimates, forecasts and actuals

North Sea Transition Authority

General Comments

Please use this area to provide us with any information you think is important, or clarifies any data entered in the rest of the section.



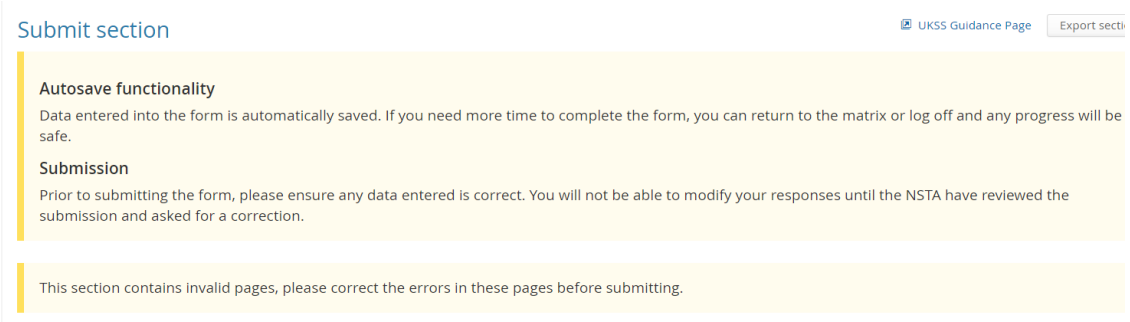
Submit Section

Autosave functionality
Data entered into the form is automatically saved. If you need more time to complete the form, you can return to the matrix or log off and any progress will be safe.

Submission
Prior to submitting the form, please ensure any data entered is correct. You will not be able to modify your responses until the NSTA have reviewed the submission and asked for a correction.

The link 'UKSS Guidance Page' will take you to the NSTA webpage where all the guidance notes can be found.

The section can be exported either via spreadsheet or PDF at any time during the survey live period.



Organisational level

Paste from Excel

You can paste values into the following table directly from Excel:

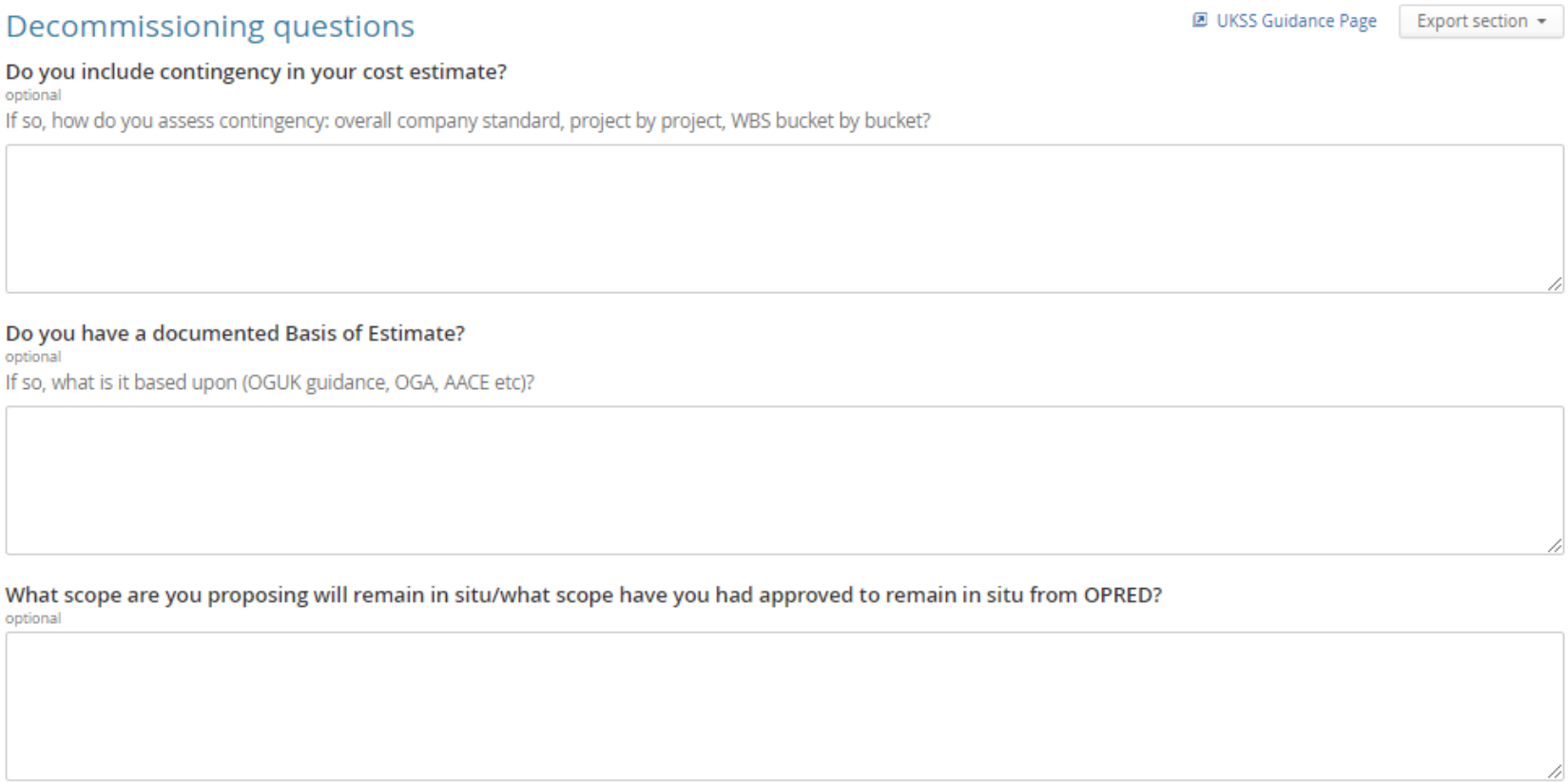
- Copy the cells from your Excel spreadsheet (any number of rows/columns)
- Please paste into the first field by right clicking or by pressing Ctrl + V
- The page will map your pasted cell values to the table cells, ignoring any overflowing rows or columns
- Input fields which have been pasted to will be highlighted green to allow a visual check.

Organisational Level

North Sea Transition Authority

Decommissioning Questions

These three questions are optional.



Organisational Level

North Sea Transition Authority

Decommissioning Cost Change

Please review the decom cost submitted in the previous year compared to your cost estimate this year and highlight the significant changes using the categories below.

A change of greater or less than 5% of the total decom liability is considered material, please detail in the comments box as much as you can the reason for this change.

Current Year Survey Decom Total

£

Previous Year Survey Decom Total

£

Difference

£

Other, please specifiy

Please state reasons for the difference above and select the applicable factors below (select all that apply)

Exchange rate change

- Yes
- No

You must enter this item

Inflation change

- Yes
- No

You must enter this item

Basis of estimate change

(i.e. Rig Market, Marine Vessel Market, Benchmark/Performance Forum changes)

- Yes
- No

You must enter this item

Scope change

(New Assets, Mergers and Acquisitions, etc.)

- Yes
- No

You must enter this item

Checklist

North Sea Transition Authority

Below are some of the detailed QC steps that each section will go through. If you think your data will not pass these checks, please add as much information in the general comments section as possible to help us understand why.

- Does the CoP date entered match that of the Activity section? If not, why not? Please use the 'Costs review' section.
- Are the total decommissioning costs and phasing the same as that entered into the Activity section? Please use the 'Costs Review' section.
    - It is expected that the decommissioning cost estimate and phasing (previous year (2022), actual year (2023), forecasted years) of total expenditure entered will match the decommissioning estimate provided in the ACTIVITY section of the survey. Please use the 'Costs Review' section.
- Have your Decommissioning costs changed materially from the previous year's survey? If so, please use the Organisational level section to select and explain reasoning for significant increase or decrease in costs.
- Are there quantities and weights data in the 'Quantities and Weights' section that match the relevant cost phasing?
- Please ensure that the data provided in any of the relevant three actuals sections (below) match the details provided for the year 2023 in the 'Cost Estimate' and 'Quantities and Weights' section:
    - '2023 Well P&A Actuals'
    - '2023 Removals actuals – recent removal projects'
    - '2023 subsea infrastructure actuals'

    e.g., if you have recorded £10MM of Well Actuals across 2 wells, £10MM should be recorded in the Cost Estimate for 2023, with 2 wells recorded in the quantities section for 2023.

North Sea Transition Authority

Thank you