



Oil & Gas
Authority

2017 Stewardship Survey

Summary of Changes from the 2016 Survey

CONTENTS

1.	Introduction.....	3
2.	General Changes	3
3.	Licensing/Exploration & Appraisal	4
4.	Wells.....	4
5.	Supply Chain.....	5
6.	Information Management	5
7.	Technology.....	5
8.	Activity.....	6
9.	Decommissioning	9
10.	Production Efficiency	11
11.	Reserves & Resources.....	11
12.	Master Data.....	11
13.	Help & Support	12
14.	Summary	12

1. INTRODUCTION

The Stewardship Survey for 2017 has been enhanced to consider feedback from Operators and Licensees after the 2016 survey. The resultant changes should ensure that the survey is easier to complete and understand.

This document defines the main changes that have been made to the survey. More detail will be provided in the October Training and Awareness sessions.

2. GENERAL CHANGES

Several 'general' changes have been implemented based on feedback received. These include:

1. The survey is open for a longer period of time this year:
 - a. The main survey will start on 1st November 2017 and will close on 28th February 2018.
 - b. The Activity section of the survey will start on the 1st November 2017 and will close on 19th January 2018.
2. The Data Disclosure Consent on the front page of the survey has been changed from the 2016 version. The main changes are:
 - a. Simplified wording and more clarity over who the data will be shared with.
 - b. More details regarding what data will be shared with other parties.
3. Many of the master datasets used in the 2016 survey had a number of issues, including: missing wells, missing fields and facilities, and incorrect status. As far as possible, these have now been improved. However, they are not perfect and we would ask that when the survey goes live on the 1st of November, you check the reporting units displayed for your company and advise us as soon as possible of any anomalies.
4. The Licensing and E&A sections have been merged to provide a more consistent approach to Exploration.
5. The Information Management section of the survey has been removed.
6. The Activity and Decommissioning sections have been changed to ensure that there is less copying and pasting. More columns of data are presented on the same page, thus reducing the amount of copying and pasting.
7. Each of the survey sections have been given more guidance notes on what is expected and what is included in each section of the survey. Some of the guidance is on the survey screens, whilst other guidance is in separate documents that are linked to the survey.
8. In a number of cases, data from the 2016 survey has been copied forward into the 2017 survey to reduce burden. These can be edited.
9. Copy and paste functionality has been deployed to other parts of the survey in cases where large amounts of data are requested.
10. Each section of the survey now has a general comments box on a separate page. This is a non-mandatory comments box for Operators and Licensees to

complete should they wish to inform the OGA of any details relating to their submissions for that section of the survey.

11. We have added new functionality to each section of the survey that will allow users to export completed survey sections to MS Excel. Please note that this functionality will not be ready for the start of the survey, but will be introduced at a later stage. We will issue a separate communication regarding this functionality and timing.

3. LICENSING/EXPLORATION & APPRAISAL

The following changes have been implemented in the Licensing and E&A sections of the survey.

1. The Licensing and Exploration & Appraisal sections have been merged and will be reported under each licence.
2. All seismic data that was entered for the 2016 survey has been copied forward into the 2017 survey. You will have the option to add new seismic should this be relevant.
3. Around 17 questions have been removed from the E&A part of the forms, thus reducing the burden.
4. The survey will still have a small section that asks for E&A related expenditure. This is at company level (instead of by licence).
5. All sub-sections have enhanced guidance and explanatory notes.

4. WELLS

The following changes have been implemented in the Wells section of the survey.

1. More guidance has been provided for:
 - a. Planned Development Wells
 - b. Existing Development Wells
 - c. Existing Well Details
 - d. New Development Wells
2. The master well data held in WONS has been enhanced to improve its quality and ensure that the correct wells are held against the correct fields. However, as stated above, the data is not perfect and you should check the data as soon as you can once the survey is open.
3. A new 'Well Losses' sub-section has been added. This is the same information you provide to the PE hub, but just for the well losses. This asks for oil and gas losses based on:
 - a. Reservoir
 - b. Wellhead
 - c. Completion
4. A new 'Development Wells Lookahead' sub-section has been added. The requested data includes:
 - a. Well/Target Name
 - b. Estimated Spud

- c. Name of Rig (if known)
 - d. Well Type
 - e. Approval Status
5. The 'issues and activities' questions of the 'Existing Development Wells' section has changed to reflect the Oil & Gas UK well intervention survey which has been integrated into the Stewardship survey. As such, this will be the definitive survey for well interventions details. Responses are in line with O&G UK discussions and improvements.

5.SUPPLY CHAIN

The following changes have been implemented in the Supply Chain section of the survey.

1. The section concerning 'Spend' (Capex, Opex and Abex) has been removed from the survey.
2. New guidance has been added, including:
 - a. Workforce section
 - b. Supply Chain action plan guidance
3. A new subsection has been added based on industry standards and contains four simple questions.

6.INFORMATION MANAGEMENT

In line with our commitment to listen to feedback, reduce burden on industry and ensure we only request data for specific uses, the OGA has decided to withdraw the Information Management section of the Stewardship survey.

7.TECHNOLOGY

The following changes have been implemented in the Technology section of the survey.

- The section "Research and Development Spend" has been retitled "UK Spend on Technology R&D and Technology Transfer." Within this section the two categories "Company Technology Research and Development spend – UK based" and "Company Technology Research and Development spend - corporate charged to the UK business unit" have been merged into one category. This is called "Technology Research and Development spend" and a new category "Technology Transfer Spend" has been included.
- The spend and budget sections "Existing Technology Spend" and "New Technology Spend" have been removed and replaced with one section "UK Technology Spend- Breakdown by Category". This is broken down into the same categories as before.
- A revised Technology Plan – Implementation Guide has been created that will provide help for the completion of a Technology Plan. This revised guide can

be found at the top of the Company Technology Plan section and should be consulted before you start to complete this section of the survey.

- We have also asked for information regarding the responsible person for the technology plan/survey submission. Details must be supplied.

8. ACTIVITY

The following changes have been implemented in the Activity section of the survey.

1. New guidance has been added to this section and can be found via a link at the top of the Activity section.
2. We have simplified very significantly the initial screens and choices faced by operators. Specifically, we have dropped a lot of questions from the Activity Context screen, many of which duplicate information which is available elsewhere, including Activity Type, one of the two “Development Type” questions (choice between Field/Terminal/Pipeline, leaving the Platform/FPSO/etc question), Category (i) and Category (ii), Field Status, Case, Base Project, Location, Activity Sanction Date and Field Equity Interests. In addition, we have dropping almost all of the questions that were asked only for new fields or projects. These relate to: Activity Sanction Date, Project Man-Hours, Project Stage, Reservoir Type, EOR Potential, Final Receiving Terminals, FDP Submission Timing and Status, Start-Up Date and First Year Production.
3. The first screen for ‘Fields’ which allows for the ‘header’ data to be entered has been significantly simplified and a number of questions have been deleted. This also applies to the ‘Terminals and Pipelines’ screens. Some of the main changes are:
 - The probability of proceeding now determines whether a field/terminal/pipeline/project is sanctioned, probable or possible, avoiding the previous two-stage process. A zero probability can now be entered to indicate cancellation of a previously reported activity.
 - For each field (and each terminal/pipeline), we need data entered separately for a base case and for any incremental projects, each with their own probabilities of proceeding.
 - Each field/terminal/pipeline must have a base case. For fields in production and existing terminals/pipelines, there is now no requirement for a hypothetical “NFI” (no further investment case) distinct from the sanctioned investment base case.
 - An incremental project might be recently approved and have a 100% probability of proceeding but, if so, it could be incorporated into the sanctioned base (as, for example, in a producing field).
 - The expected year of Cessation of Production (“CoP date”) is now a mandatory entry for each activity. For terminals/pipelines, “CoP date” should be interpreted as the expected last year of operation of the terminal/pipeline.
4. We have also modified the way we request data on tariffs and shared costs so as to reduce, very significantly, the amount and detail of data that needs to be

reported. For example, data on tariff rates and on which fields use which infrastructure no longer need to be reported.

5. For the 2017 Survey, as with the mid-year update in July/August 2017, terminals and major trunk pipelines have been included in their own subsection(s) of the Activity section alongside fields rather than in a Corporate subsection. We have separated pipelines from terminals and are requesting data to be entered separately for each wherever possible while avoiding double-counting of costs and income.
6. Decommissioning costs that are tied to the expected CoP date rather than to a fixed year should be located relative to that date, as reported on the relevant screen. Previously, such costs were entered relative to year zero, namely the year CoP was expected.
7. Conversion factors are now required for all sales streams. These should be entered on the screen where those sales streams are entered.
8. Costs and production for incremental activities can be entered as negative, for example if they defer production or reduce/move costs.
9. In response to feedback received, we have rearranged some screens and merged a few so that more data can be copied and pasted in one go.
10. Actual/forecast monthly sales rates for 2017 and 2018 need to be reported on a separate screen with annual rates being calculated by the system and reported on the subsequent screen where annual sales rates are entered. Gas sales rates need to be entered but, as a cross-check, the rates implied by other data (production, fuel, flare etc) are reported alongside.
11. Product prices are now requested only for 2016 and 2017.
12. For Terminals & Pipelines, we are now requesting data on capacity rather than spare capacity.

The following images show the ‘Costs & Production’ pages and the attributes that are requested.

FIELDS

Production Volumes Page

Actual/expected production

Year	Whole field production					Injected volumes		Gas import and usage			
	Crude oil (bbl/d)	Condensate (bbl/d)	NGLs (bbl/d)	Gas (scf/d)	Water (bbl/d)	Gas (scf/d) ⓘ	Water (bbl/d)	Import (scf/d)	Fuel (scf/d)	Flare (scf/d)	Vent (scf/d)

Sales Volumes Page

Annual volumes

An automatically calculated 'Calculated sales gas volume' figure is provided for the purposes of quality control. This figure is calculated with the following formula:

Produced Gas Volume - Injected Gas Volume - Used Fuel Gas - Used Flare Gas - Used Vent Gas + Imported Gas

Year	Crude oil (bbl/d)	Condensate (bbl/d)	NGLs (bbl/d)	Gas (scf/d) ⓘ	Calculated sales gas volume (scf/d)
------	-------------------	--------------------	--------------	---------------	-------------------------------------

Costs Page

CAPEX OPEX

Actual/Expected Development CAPEX

CAPEX should exclude costs expected to be recovered from user fields but include costs expected to be paid to others.

Year	Wells (£MM)	Facilities (£MM)	Other CAPEX (£MM)	Total CAPEX (£MM)
------	-------------	------------------	-------------------	-------------------

CAPEX OPEX

Actual/Expected OPEX

Note that requested transportation and/or processing tariff payments are not split between oil, NGLs and gas and that data on tariff rates are not being collected.

Year	Wells (£MM)	Facilities (£MM)	Transportation and/or processing tariff payments to other fields/terminals (£MM)	Cost share payments to other fields/terminals (£MM)	Other OPEX (£MM)	Total OPEX (£MM)
------	-------------	------------------	--	---	------------------	------------------

Income Page

Actual/expected income other than from sales of hydrocarbons

Please enter income as a positive value.

Year	Tariff income excl. take or pay receipts (£MM)	Take or pay receipts for transportation and/or processing services (£MM)	Income from user fields under cost share arrangements (£MM)	Total income (£MM)
------	--	--	---	--------------------

Decommissioning Page

Year	Direct costs		Costs paid by/to third parties		Total decommissioning costs (£MM)
	Tied to expected "COP date" as given above (£MM)	At fixed date (£MM)	Direct decommissioning costs paid for by third party users (£MM)	Contributions to third party hosts' decommissioning costs (£MM)	

TERMINALS/PIPELINES

Throughput & Capacity Page

Year	Transportation/Processing throughput				Capacity	
	Crude oil (Mbb/d)	Condensate (Mbb/d)	NGLs (Mbb/d)	Gas ^① (MMscf/d)	Liquids (Mbb/d)	Gas ^① (MMscf/d)

Income Page

Year	Tariff income excl. take or pay receipts (EMM)	Take or pay receipts for transportation and/or processing services (EMM)	Income from user fields under cost share arrangements (EMM)	Total income (EMM)
------	--	--	---	--------------------

Costs & Decommissioning page

Year	Direct costs			Costs paid by third parties		Total decommissioning costs (EMM)
	CAPEX (EMM)	OPEX (EMM)	Decommissioning costs - Tied to "COP Date" (relative to expected "COP Date", as given above) (EMM)	Decommissioning costs - At fixed date (EMM)	Direct decommissioning costs paid for by third party users (EMM)	

9. DECOMMISSIONING

The following changes have been implemented in the Decommissioning section of the survey.

1. A separate guidance document has been created that will provide much more help for users of this section of the survey. This new guidance can be found at the top of the Decommissioning section and should be consulted before you start to complete this section of the survey.
2. The company level decommissioning section (post 2026) has been largely deleted and relevant questions have been placed into the main Decommissioning screens. The only questions that remain in this company level section are a small number of strategic questions.
3. The tabular screens have been optimised to allow more columns of data to appear on the same screen. This will allow more columns of data to be copied and pasted into the survey at any given time, thus reducing the number of copy and paste actions that are required to complete the survey.
4. A number of questions have been deleted from this section of the survey.
5. This section of the survey has a number of tables that need to be populated with numeric data for a period of time (for the 2016 survey, this was 2015 to 2024 and beyond). In the 2017 version, the date range has been replaced with a CoP (Cessation of Production) date and then a period of time based on the CoP date, this is defaulted to -5/+10 years of CoP date but can now also be user adjusted.

The decommissioning section is split into different pages. In order to increase awareness of the required data, the following data attributes are requested per facility:

COST ESTIMATES PAGE

Attributes include:

- Operator Project management (EMM)
- Facility Running/Owner Costs
 - Pre-NUI (EMM)
 - NUI (EMM)

- Cost of Well Abandonment
 - Platform P&A – Rig Upgrades (£MM)
 - Platform P&A – Well (£MM)
 - Platform P&A – Conductor Removal (£MM)
 - Subsea – Suspended E&A Wells (£MM)
 - Subsea – Development Wells (£MM)
- Making Safe
 - Facilities (£MM)
 - Pipelines (£MM)
- Topsides Preparation (£MM)
- Topside Removal
 - Topsides (£MM)
 - Substructure/Jacket (£MM)
- Subsea Infrastructure -Pipelines
 - Trunk Pipelines >14inch Diameter (£MM)
 - Other Pipelines < 14inch Diameter (£MM)
 - Umbilical's & Cables (£MM)
 - Mattresses (£MM)
 - Other (Manifolds/SSIV/Christmas trees etc) (£MM)
- Topsides & Substructure Onshore Recycling & Disposal (£MM)
- Site Remediation (£MM)
- Monitoring (£MM)

ACTIVITY FORECAST PAGE

- Well P&A
 - Platform Wells (number)
 - Platform Wells (rig type)
 - Subsea wells (number)
 - Subsea Wells (rig type)
 - Suspended Subsea E&A Wells (number)
 - Suspended Subsea E&A Wells (rig type)
- Making Safe, Topsides Preparation & Removal
 - Making Safe – Topsides (number)
 - Making Safe - Km of Pipeline
 - Topsides Preparation – Number of Modules
 - Topsides Preparation – Topsides (tonnes)
 - Removal – Substructure (tonnes)
 - Removal – Number of Subsea Structures to Remove
- FPSO, Subsea Infrastructure, Topsides & Substructure Onshore Recycling
 - FPSO – Steel Weight (tonnes)
 - Subsea Infrastructure (tonnes)
 - Topsides (tonnes)
- Pipelines
- Umbilical's (number)
- Mattresses (number)

ACTUALS

- Well P&A Actuals (if applicable)
- Removal Actuals (if applicable)
- Subsurface Infrastructure Actuals (if applicable)

10. PRODUCTION EFFICIENCY

The following changes have been implemented in the Production Efficiency section of the survey.

1. The shutdown days section has been altered to now include deferred shutdown days and unplanned shutdown days. This was added to ensure that planned and unplanned shutdowns were captured in more detail. As full plant losses are the largest category, and any additional granularity in their makeup would be valuable.
2. A 3rd party collection template has been added for download, to aid collection of data from 3rd party fields. This template will not be collected as part of the survey and does not have to be used, it is merely provided for those who would like to use it.
3. Some small changes to wording of the survey, based on feedback from last year's survey have been implemented. These are aimed at clarifying a few areas where there was confusion.

11. RESERVES & RESOURCES

The following changes have been implemented in the Reserves & Resources section of the survey.

1. This section of the survey has been renamed from Reservoir Management to reflect the content of this section.
2. Extra guidance has been provided on specific data requirements. These include a number of new warnings that will warn users when data appears to be incorrect, i.e. when trying to enter Reserves numbers for non-consented fields.
3. The multiple comments boxes for Reserves and Resources have been replaced with a single comments box for Reserves and Resources.
4. Other changes to data input screen layout to help users compare reserves changes with production, and to enable users to enter more information on EOR volumes.

12. MASTER DATA

The OGA noted in the industry feedback from the 2016 survey that some of the master data lists for wells, fields, hubs, facilities and licences were not as quality assured as

they should have been. This was due to a combination of reasons from within and external to the OGA.

The 2017 survey master data lists have been reviewed during 2017 and are deemed to be a much more accurate representation of the truth. That said, we cannot guarantee that all the master data is correct as some of the data is reliant upon Operators and Licensees ensuring that the data is correct.

If after logging into the Stewardship Survey, you find that some of the master data (fields, hubs, facilities, wells etc) are incorrect or possibly incorrect, please contact the UK Operations helpdesk using the details in the next section and the OGA will be able to fix any issues.

13. HELP & SUPPORT

Help and support will be available through the usual UK Operations helpdesk, the details are:

- ukop@ogauthority.co.uk
- 0300 067 1682

14. SUMMARY

All the survey changes have been implemented based on either industry feedback or changing OGA requirements. All data will be used to directly contribute to MER UK.

The training and awareness sessions that are held in October 2017 will show the changes in more detail and will allow users who attend to ask questions and gain a fuller understanding of the survey.

Note

It is the OGA's intention to maintain a broadly standard survey from this point forward for its annual Stewardship Survey so that data collected from surveys can be collated, compared and contrasted with previous annual datasets. There will however, likely be a number of small changes over time, but the basic survey should remain the same. Any future changes that are made will be communicated at the appropriate time.