

Field Development Programme

William Wilson

Senior Development Engineer, NNS/WoS

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- **Objectives & Policy**
- **Field Development Programme**
 - Process
 - Document

DTI

- **“PROMOTE THE ECONOMIC DEVELOPMENT OF UK ENERGY RESOURCES AND ENSURE NATION’S ENERGY NEEDS ARE MET COST EFFECTIVELY”**

ENERGY RESOURCES & DEVELOPMENT UNIT

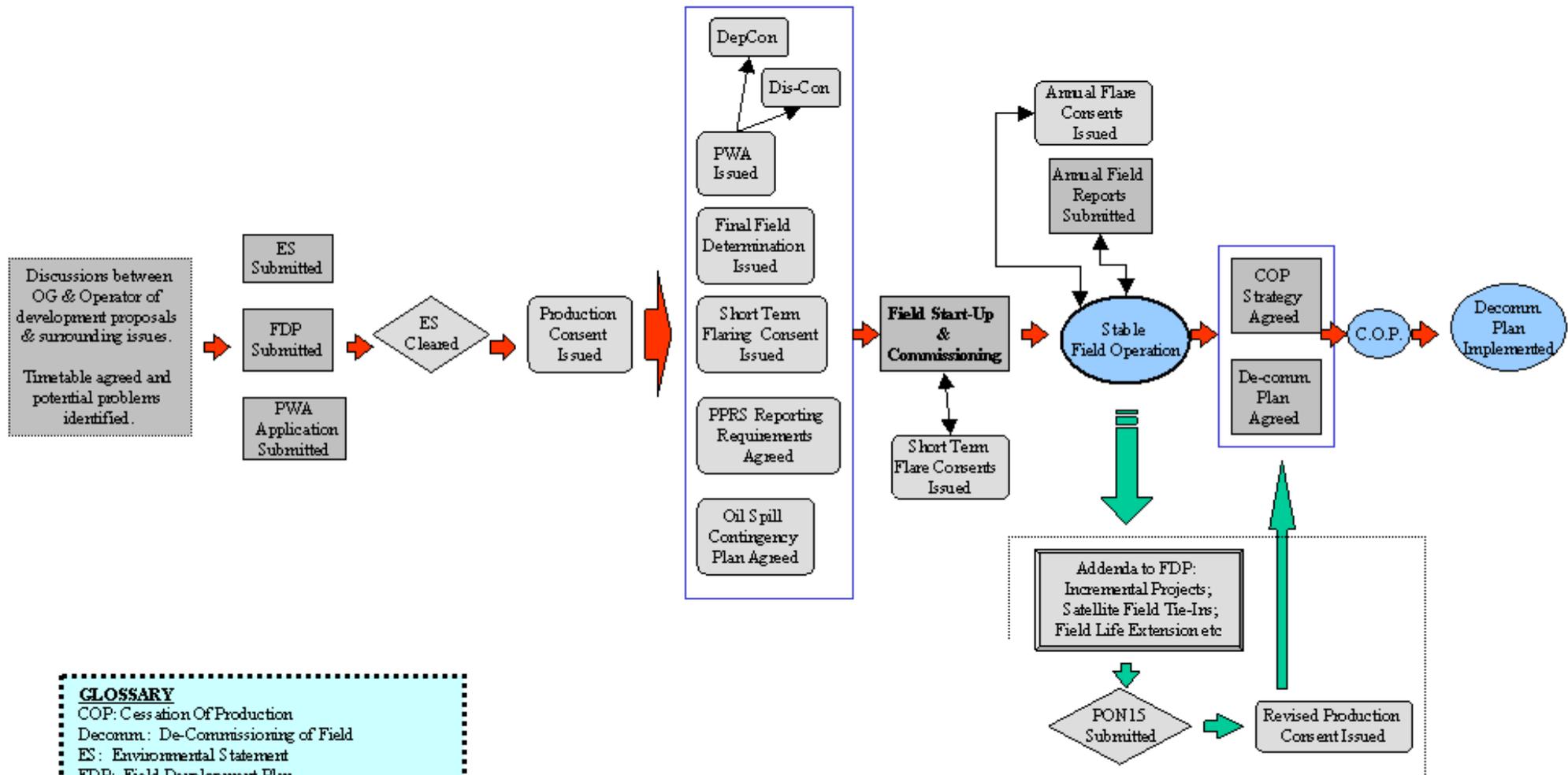
- Responsible for licensing exploration and development of the UKCS oil and gas resource
- **“ENSURE MAXIMUM ECONOMIC DEVELOPMENT OF DISCOVERED RESERVES AND PROMOTE APPROPRIATE SUPPORTING R&D”**

POLICY OBJECTIVES

- Recovery of all economic hydrocarbons
- Adequate and competitive provision of pipelines and facilities
- Take account of environmental impacts and interests of other users of the sea

dti Field Approval Process

U.K.C.S. FIELD APPROVAL PROCESS: MILESTONE EVENTS



GLOSSARY

COP: Cessation Of Production
 De-comm: De-Commissioning of Field
 ES: Environmental Statement
 FDP: Field Development Plan
 PON.15/16: Petroleum Operations Notice No. 15/16
 PPRS: Petroleum Production Reporting System
 PWA: Pipeline Works Authorisation

- **FDP: The support document for:**
 - Identification of commitments being made by Licencees
 - Development authorisation &
 - Production authorisation
- **DTI policy objectives secured through:**
 - Early discussions with Operator prior to FDP submission
- **FDP Content:**
 - Summary of information & requirements which led to adoption of the type of development
 - Detailed account of the proposed development
 - Principles and objectives which governs its management

Field Determination

- **Operator submits:**
 - Field name request
 - Geological map of the field
- **Timing:**
 - Submitted at an early stage in the FDP process

1. Executive Summary

- Brief description of hydrocarbon resources, development strategy, facilities & pipelines
- Outline map of field limits, Field Determination boundary, contours of fluid contacts, existing and proposed wells
- Project schedule, total CAPEX & licence interests
- Estimate of recovery: min, middle and max profiles
- Statement of intent regarding future phases of development
- Highlight any opportunities for development of other hydrocarbons in the area
- Essential elements of the Field Management Plan
- Statement of provision for decommissioning

2. Field Description

- Seismic interpretation & structural configuration
- Geological interpretation & reservoir description
- Petrophysics & Reservoir fluids
- Hydrocarbon in – place
- Well performance
- Reservoir Modelling approach
- Improved recovery techniques
- Reservoir development and production technology

3. Development & Management Plan

- Preferred development programme, reserves & production profiles
 - Gas usage (export, re-injection, power generation, flaring)
- Drilling and Production facilities
- Process facilities
- Project planning
- Decommissioning
- Costs (CAPEX, OPEX & Decommissioning Costs)