

bp



Atlantis Subsea Document Control

Atlantis Subsea Document Control - Context



- Atlantis Document Control was originally managed and executed by Technip
- Less efficient system in comparison with Thunder Horse DC
- Documentum used, but in practice was essentially one large folder
- Critical documents (e.g., P&ID's and Safety Shut Down System Logic Drawings) have always been available to Subsea Operators
- Thunder Horse DC Staff were charged with aligning and Merging Atlantis Document Control System with Thunder Horse
- To date Thunder Horse / Atlantis DC Staff have reviewed and organized over 13,000 Atlantis drawings and documents
- Currently Offshore Subsea Operators have direct access to Documentum via the BP Offshore Fiber Optic Network

Atlantis Subsea Document Control- Documentum



Old Atlantis Folder Structure

- [-] **DRILL CENTER 1**
 - [-] 30-SUBSEA SYSTEMS
 - [+] GE-GENERAL
 - [+] HU-HOOK-UP AND COMMISSIONING
 - [+] IF-INTERFACE
 - [+] MS-MARINE SURVEYOR
 - [+] OP-FACILITIES OPERATIONS
 - [+] SB-SUBSEA
 - [+] SU-SURVEY
 - [-] 32- TREES
 - [+] HU-HOOK-UP AND COMMISSIONING
 - [+] SB-SUBSEA
 - [-] 33-MANIFOLDS
 - [+] CP-CORROSION-PAINT
 - [+] HI-INSTALLATION
 - [+] HU-HOOK-UP AND COMMISSIONING (GOC)
 - [+] MN-MANIFOLDS
 - [+] SB-SUBSEA
 - [+] ST-STRUCTURAL
 - [+] SU-SURVEY
 - [-] 34-PIPELINES
 - [+] HE- INSTALLATION EQUIPMENT
 - [+] PI-PIPING
 - [+] PL-PIPELINES
 - [+] SB-SUBSEA
 - [+] ST-STRUCTURAL
 - [+] SU-SURVEY
 - [-] 35-CONTROLS
 - [+] IC-INST.&CONTROLS
 - [+] MN-MANIFOLDS
 - [+] SB-SUBSEA
 - [+] UM-BULICALS
 - [-] HU-HOOK-UP AND COMMISSIONING (GOC)
 - [+] RI-RISERS
 - [+] SB-SUBSEA
 - [+] 37-RISERS
 - [+] 38-INSTALLATION
 - [+] 38-INSTALLATION
 - [+] 70-INSTALLATION
 - [+] SB-SUBSEA
 - [+] 70-INSTALLATION
 - [+] IG-INSTALLATION GENERAL
- [-] **DRILL CENTER 3**
 - [-] 30-SUBSEA SYSTEMS
 - [+] HS-HEALTH AND SAFETY
 - [+] ME-MECHANICAL
 - [+] MN-MANIFOLDS
 - [+] MS-MARINE SURVEYOR
 - [+] OP-FACILITIES OPERATIONS
 - [+] PL-PIPELINE
 - [+] SB-SUBSEA
 - [+] SU-SURVEY
 - [-] 32-TREES
 - [+] SB-SUBSEA
 - [-] 33-MANIFOLDS
 - [+] HI-INSTALLATION
 - [+] MN-MANIFOLDS
 - [+] MS-MARINE SURVEYOR
 - [+] PI-PIPING
 - [+] SB-SUBSEA
 - [+] ST-STRUCTURAL
 - [+] SU-SURVEY
 - [-] 34-PIPELINES-FLOWLINES
 - [+] FL-FLOWLINES
 - [+] PL-PIPELINES
 - [+] SB-SUBSEA
 - [+] ST-STRUCTURAL
 - [+] 35-CONTROLS
 - [-] HU-HOOK-UP AND COMMISSIONING
 - [+] SB-SUBSEA
 - [+] UM-BULICALS
 - [+] DG-DRAWINGS
 - [+] ME-MECHANICAL
 - [+] PL-PIPELINE
 - [+] SB-SUBSEA
 - [+] 37-RISERS
 - [+] FL-FLOWLINES
 - [+] 38-INSTALLATION
 - [+] 70-INSTALLATION
 - [+] FL-FLOWLINES
 - [+] HI-INSTALLATION
 - [+] HS-HEALTH AND SAFETY

New Atlantis & Thunder Horse

- [-] **Engineering**
 - [+] AD - Administration
 - [+] AR - Architectural
 - [+] AS - Assurance
 - [+] BA - Barges
 - [+] CM - Communications
 - [+] CO - Construction
 - [+] CP - Corrosion & Paint
 - [+] DO - Drilling Operations
 - [+] EL - Electrical
 - [+] EV - Environmental
 - [+] FL - Flowlines
 - [+] GE - General Engineering
 - [+] GI -
 - [+] GO - Geotechnical
 - [+] HE - Installation Equipment
 - [+] HI - Installation
 - [+] HL - Hull (NOT USED)
 - [+] HO- Installation Organization
 - [+] HS - Health & Safety
 - [+] HU - Hook-up & Commissioning
 - [+] HY - Hydrodynamics
 - [+] IC - Instr & Controls
 - [+] IF - Interface
 - [+] IG - Installation General
 - [+] IM - Information Management
 - [+] MA - Marine Engineering
 - [+] ME - Mechanical
 - [+] MN - Manifolds(subsea)
 - [+] MR - Moorings
 - [+] MT - Met-Ocean
 - [+] OP - Facilities Operations
 - [+] PC - Project Controls
 - [+] PI - Piping
 - [+] PL - Pipeline
 - [+] PM - Project Management
 - [+] PR - Process
 - [+] PU-Purchasing
 - [+] RG - Regulatory
 - [+] RI - Risers
 - [+] RO - ROV's

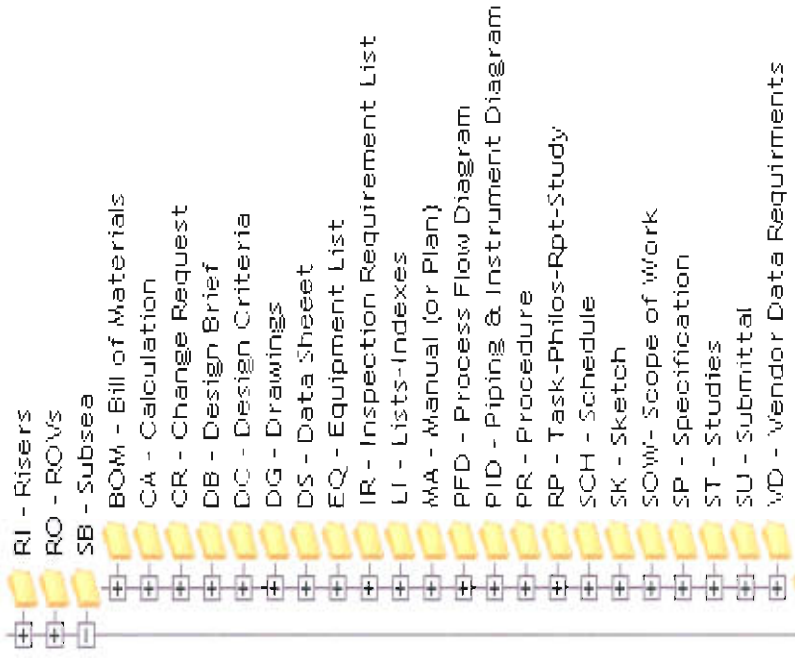
Atlantis Subsea Document Control - Documentum



Old Atlantis Folder Structure



New Atlantis & Thunder Horse



Eliminated redundant Discipline Identifier folders

Result an easier to navigate, streamlined environment

Atlantis Subsea Document Control - Documentum



Name	Revision	Size	Title
1440-30-ME-PP-0664	0	2.27 MB	DC3 - Single-line Flowpath Analysis Weld's MaterialDC3 - BP - Single-line Flowpath Analysis Weld's Materials
1440-30-ME-PP-0697	B	9.75 MB	DC1 - DC3 - Technx - Atlantis Subsea System Pressure Rating Philosophy DC1 and DC3 Locations Technical Position Paper (3478-BSS-PA-0299)
1440-34-ME-PP-1025	1	2.86 MB	DC1 - Lankhorst-Mouldings - VIM Suppression Strikes Roller Test Report (W04039)
1440-34-ME-PP-1026	5	2.66 MB	DC1 - Code 2 - Lankhorst-Mouldings - VIM Suppression Strikes Friction Test Report (N/A)
1440-34-ME-PP-1139	2	168 KB	DC1 - Insenys Ltd - Technical Note: Temperature Compensation of SubCollar Strain Sensors (0322-TECN-0001)
1440-34-ME-PP-1147	3	443 KB	DC1 - Insenys Ltd - W2 Spool SubCollar Factory Acceptance Test Results (0322-REPT-0002)
1440-34-ME-PP-1149	4	957 KB	DC1 - Insenys Ltd - T Spool SubCollar Factory Acceptance Test Results (0322-REPT-0003)
1440-34-ME-PP-3003	0	1.21 MB	DC3 - Acute Technological Services, Inc./FMC - Microstructural Evaluation of Swagelok Elbow and Welded Superduplex Components (ATS 008415)
1440-34-ME-PP-3004	0	530 KB	DC3 - Acute Technological Services, Inc./FMC - G4B Test Report (ATS 008415-1)

- Eliminated the need to file by Sector

- All sectors live together in the Discipline Folder

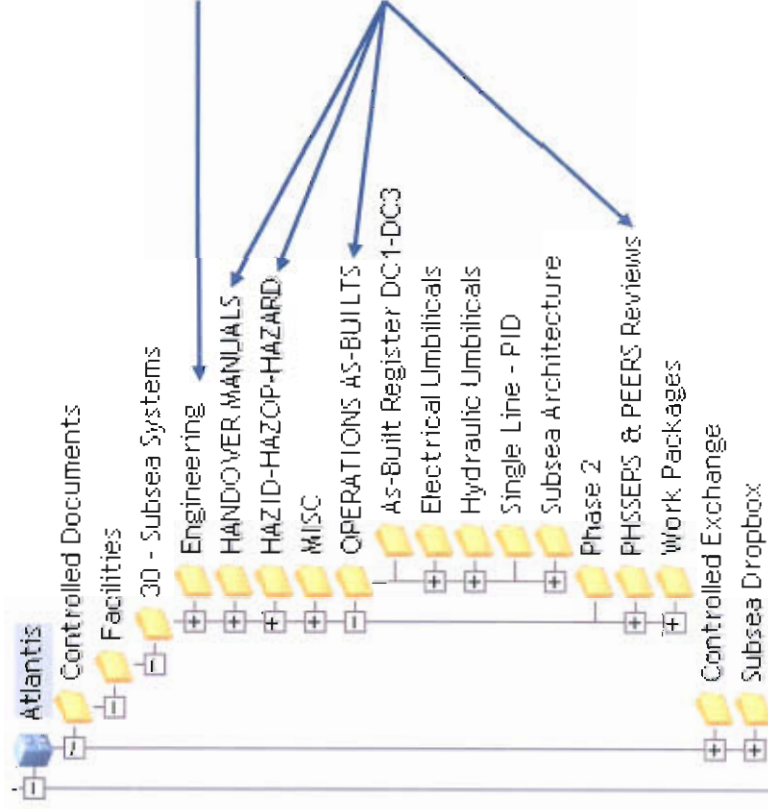
- Eliminated the need to segregate by Drill Center

- Drill Center is the first item in the title, easy to sort alphabetically click on "title" to group all documents by Drill Center together

Atlantis Subsea Document Control - Documentum



•New Sub Folder Arrangement



- Repository for all Engineering Documentation: as per Slide 3
- For ease of access and retrieval hyperlinks have been generated for specific documents
- As-Builts hyperlinked as above by type

Atlantis Subsea Document Control - Documentum



Webtop - Microsoft Internet Explorer

Address: http://idwdocs.bpweb.bp.com/ideepwater/component/main?_dmfClientId=1270126519506

Any Words: Exact Match:

File Edit View Tools Transmittal

Cabinets/Atlantis/Controlled Documents/Facilities/30-Subsea
HANDOVER MANUALS

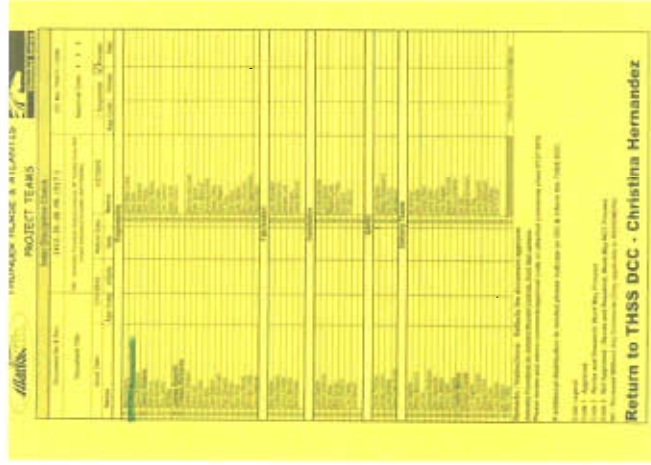
Name	Revision	Size	Title	Version
1440-31-HU-MA-0005	0	11.59 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-111-F4 System No. AT1-01-111	1.1,CURRENT,Operations Acceptance
1440-31-HU-MA-0006	1	9.74 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-112-E5 (DC 1) System No. AT1-01-112	2.1,CURRENT,Operations Acceptance
1440-31-HU-MA-0007	0	12.04 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-113-C5 System No. AT1-01-113	1.1,CURRENT,Operations Acceptance
1440-31-HU-MA-0008	0	21.89 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-114-B System No. 01-114	1.1,CURRENT,Operations Acceptance
1440-32-HU-MA-0021	1	16.4 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-123-E4 System No. AT1-101-123	2.1,CURRENT,Operations Acceptance
1440-32-HU-MA-0022	1	13.78 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-124-J System No. AT1-101-124	2.1,CURRENT,Operations Acceptance
1440-32-HU-MA-0023	1	18.78 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-140-G5 System No. AT1-101-143	2.1,CURRENT,Operations Acceptance
1440-32-HU-MA-0032	0	26.4 MB	DC1 - BP - Atlantis Subsea System Handover Package - Flowline P1 System No. AT1-104-1	1.1,CURRENT,Operations Acceptance
1440-32-HU-MA-0071	1	13.07 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-122 System No. AT1-01-122	2.1,CURRENT,Operations Acceptance
1440-32-HU-MA-0072	1	12.72 MB	DC1 - BP - Atlantis Subsea System Handover Package - Well DC-142 System No. AT1-01-142; P1,P2 Headers (Manifold: 2A/4A) P1 Riser Flowline	2.1,CURRENT,Operations Acceptance
1440-32-HU-MA-0074	0	26.76 MB	DC1 - BP - Atlantis Subsea System Handover Package - P1 & P2 Headers; thru Manifolds 2A, B, 4A to PLEM BP1 & PLEM,PP2,7; and P1 Riser Flowline (System No. AT1-007-2)	1.1,CURRENT,Operations Acceptance

Handover Manuals and Operational Acceptance Status

Atlantis Subsea Document Control – New Prioritized IDC



14 Calendar day Review Cycle

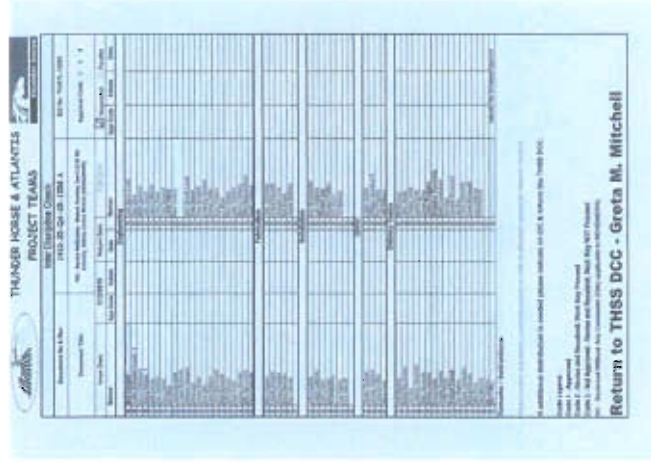


Average Cycle Time: 10.75 days

Yellow:

- 1) First Receipt or returning Code 3
- 2) Two Week Review Cycle
- 3) Usually Parallel Distribution

Limited Distribution Review Cycle



Average Cycle Time: 4.5 Days

Blue:

- 1) Returning Code 2
- 2) One Week Review Cycle
- 3) Sequential Distribution

Expedited Review Cycle



Average Cycle Time: 22 Hours



Pink:

- 1) If not HOT then the document attached will be a QN or NCR
- 2) 24 hour Turn around if designated HOT
- 3) Sequential Distribution

Atlantis Subsea Document Control – New IDC



THUNDER HORSE & ATLANTIS PROJECT TEAMS

Inter Discipline Check									
Document No. & Rev	Thunder Horse & Atlantis Document Control Requirements			THSS Doc. THSS/ATL 0001			Approval Codes: 1 2 3		
Document Title:	App Code	Initials	Return Date	Names	App Code	Initials	App Code	Initials	Date
Notice									
1. Review of Documents									
2. Review of Drawings									
3. Review of Specifications									
4. Review of Material									
5. Review of Fabrication									
6. Review of Installation									
7. Review of Delivery									
8. Review of Commissioning									
9. Review of Decommissioning									
10. Review of Other Documents									

Return Date

Approvers

App Code

Initials

Date

Reviewers

App Code

Initials

Date

Approval / Review Criteria

Remarks / Instructions:
 Please review and return comments/approval code on attached comments sheet 07/06/2009
 If additional distribution is needed please indicate on IDC & inform the THSS DCC.
Code Legend:
 Code 1 - Approved
 Code 2 - Revise and Resubmit, Work May Proceed
 Code 3 - Not Approved - Revise and Resubmit, Work May NOT Proceed
 NC - Reviewed Without Any Comments (Only applicable to REVIEWERS)

Return to THSS DCC - John McDougall

Atlantis Subsea Document Control – Approvals Stamp



BP ATLANTIS PROJECT APPROVAL	
Code 1 - Approved No further review required	
Code 2 - Revise & Resubmit, Work May Proceed	
Code 3 - Revise & Resubmit. Work may NOT proceed	
Approved By:	Date

The Code 4 Approval has been removed to bring Atlantis in-line with Thunder Horse


Code 2 Documents when returned will only be presented to the reviewers who had comments

Code 3 Documents when returned will be presented to all the reviewers even if some had NO comments on the previous issuance

Approvals: The approval signature has been distilled down to certain Managers and their Designated Leads

Atlantis Subsea Document Control – Approvals as per 1410-30-QA-SP-1503





DC1 - DC3
Subsea 7

Umbilicals, Bleed Down and Re-Pressurization on Skandi Neptune
(TC1020-EI-PR-0009)




DOCUMENT NUMBER: 1440-36-ME-PP-3000

REV	DATE	BY	REASON FOR APPROVAL/CHANGES	ORGANIZATION	CHECKED	DATE
A	03/11/2012	By Review and Approval (Review)				

Document Control Number	1440-36-ME-PP-3000	Document Title	NE	NO	5000	Document Manager	A
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Page 1 of 77
1440-36-ME-PP-3000-A



Document Control Requirements
BP - Gulf of Mexico Deepwater Development Program

1410-30-QA-SP-1503
Revision 3

9.0 APPROVAL SIGNATURES

Approval Signatures	Title	Date
	Document Control Manager	3/12/10
	QA Lead	3/12/10
	Manifold Restoration Manager	3/17/10
	TH Next Facility Manager	3/12/10
	Insulation Manager	3/17/10
	Subsea Engineering Manager	3/17/10
	Assurance Manager	3/17/10
	Engineering Authority	3/17/10
	TH-Subsea Project Manager	3/17/10

Signatures Page

The Atlantis / Thunder Horse Requirements for Approvals, the above item (Signature Page) must be incorporated into all applicable BP / Technip Engineering Documents. Page 35 of 79

ATLTHSS DCC will arrange for all the signatures to ensure compliance with **1410-30-QA-SP-1503**.