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Document title: 4c - Additional summary slides from a member

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Gas Day Changes – Legal Agreements

- Alteration to the Gas Day will require changes to large numbers of legal agreements across the North Sea – typically these will be:
 - Transportation and Processing Agreements.
 - Operating Service Agreements.
 - Allocation and Attribution Agreements.
 - Gas Sales Agreements.
- Even where a system is changing over wholesale to the new Gas Day the changes required to the legal agreements will require to be negotiated and cascaded 100% to upstream shippers and operators in that system.
 - Changes to timings of nominations in agreements will require changes to measurement, IT systems and operating procedures. Procedures will need to be cascaded to operational personnel.
- Where a system changes piecemeal then there will need to be amendments to Allocation and Attribution Agreements to establish a transition regime to deal with some fields running 06.00-06.00 and others running 05.00-05.00.
 - Solutions will be complex to design as they need to encompass all elements of allocation and attribution – measurement uncertainty, substitution, fuel gas, losses, etc.
 - Solutions will result in value exposure between parties – unlikely to gain consensus during negotiations.

Gas Day Changes – Measurement & Allocation

Area	Impact	Risks
Measurement Facilities:	<u>Metering Systems</u> Upgrade metering systems (Flow computers, database and integration): MSC, Telemetry,	<ul style="list-style-type: none"> - High resource constraint. Need to remove existing offshore activity to accommodate affecting shutdowns and possible other legislatives activity. - Limited vendors in common with North Sea for facilities
	<u>DCS/Data Historians</u> Change/modification of DCS systems and historians	<ul style="list-style-type: none"> - MoC – safety - Impacts shutdown scope; integrated plans - Limited vendors
	<u>Telemetry</u> <ul style="list-style-type: none"> - Systems changes - Full scope not clear 	<ul style="list-style-type: none"> - MoC – safety - Shutdown scope; integrated plans
Allocation and Nominations Processes systems	<ul style="list-style-type: none"> - Field systems <ul style="list-style-type: none"> o Changes to nominations systems/processes o Separate oil day/gas day processes - Midstream allocation systems <ul style="list-style-type: none"> o Changes to nominations and invoicing systems/processes o Change to nomination transfer systems - Change to Environmental reporting - Change to CVA process - Impact on existing projects 	Resources <ul style="list-style-type: none"> - Internal: Difficult, disruption to new production projects - External: Highly constrained market Timing <ul style="list-style-type: none"> - Co-ordinating industry internal / external and measurement – challenging Reporting <ul style="list-style-type: none"> - Across periods -



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