Rampion Offshore Wind Farm

Schedule of Variation Requests – Deemed Marine Licence (Export Cable)

Rampion Offshore Wind Limited¹ (the **Applicant**) was granted development consent by the Secretary of State for the Rampion Offshore Wind Farm project on 16 July 2014. The Rampion Offshore Wind Farm Order (**DCO**) came into force on 6 August 2014. Article 11 of the DCO deems the grant of two marine licenses included in Schedule 13 (**Array DML**) and Schedule 14 (**Export Cable DML**).

The offshore substations are presently covered by the Array DML but will form part of the assets (which include the assets subject to the Export Cable DML) which will transfer to the appointed Offshore Transmission Operator (**OFTO**). To facilitate the future transfer of assets to the OFTO, the Applicant proposes to apply to the Marine Management Organisation to simultaneously vary both the Array DML and the Export Cable DML. The overall effect will be an administrative change so that the offshore substations are subject to the Export DML instead of the Array DML. This is desirable as it means all of the assets ultimately held by the OFTO can be regulated under one DML (the Export Cable DML).

This Schedule comprises a list of **proposed changes to the Export Cable DML** requested by the Applicant. In broad terms, the changes would insert reference to the offshore substation into the Export Cable DML. The Applicant has set out an explanation on the need for each amendment. A similar schedule of proposed changes has been prepared in respect of the Array DML and should be read alongside the changes listed below.

DML provision	Current wording	Requested change	Reasoning for change
Part 1 – 1.(1) Interpretation	"array" means Work Nos 1 and 2, as set out in paragraph 2(2) of	"array" means Work Nos-1 and 2, as set out in paragraph 2(2) of this licence;	Deletion is necessary for consistency with the Array DML.
	Schedule 13 to the Order;		The defined term "array" appears only in paragraph 7 (f) (iii) of Part 2 of the Export Cable DML which requires a cable specification and installation plan to be submitted to include:
			"(iii) appropriate methods such as trawl or drift net to be deployed along the offshore subsea export cables between the array and mean low water mark, following the survey referred to in condition 13(3)(a) to assess any seabed obstructions resulting from burial of the export cables; and"
			In the context in which it appears the removal of Work No.2 from this definition does not materially alter the effect of the relevant condition because it is also proposed to amend the definition of "export cables" so

¹ The company name was previously E.ON Climate & Renewables UK Rampion Offshore Wind Farm Limited and changed to Rampion Offshore Wind Limited in August 2015.

1

DML provision	Current wording	Requested change	Reasoning for change
			as to include Work No.2 (see below).
Part 1 – 1.(1) Interpretation	"authorised scheme" means Work No 3A described in paragraph 2 of this licence or any part of that work;	"authorised scheme" means Work Nos 2 and 3A described in paragraph 2 of this licence or any part of that work;	Insertion of reference to Work No 2 is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.
Part 1 – 1.(1) Interpretation	"export cables" means Work No. 3A, as set out in paragraph 2(2) of this licence;	"export cables" means Work Nos 2 and 3A, as set out in paragraph 2(2) of this licence;	Insertion of reference to Work no 2 is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.
Part 1 – 1.(1) Interpretation	None	Insert new wording as follows: "gravity base foundation" means a structure principally of concrete, steel or steel and concrete which rests on the seabed either due to its own weight with or without added ballast or skirts, including associated sea bed preparation, scour protection, J-tubes, corrosion protection systems, boat landings comprising an access ladder with vertical boat fenders fitted either side and work platforms and equipment;	Insertion of a defined term wholly duplicated from the definition as it appears in the current Array DML. The insertion is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.
Part 1 – 1.(1) Interpretation	None	Insert new wording as follows: "jacket foundation" means a jacket/lattice type structure constructed of concrete, steel or steel and concrete which is fixed to the seabed at three or more points with driven or pre-installed piles or suction cans, including associated scour protection, J-tubes, corrosion protection systems, boat landings comprising an access ladder with vertical boat fenders fitted either side, access and work platforms and equipment;	Insertion of a defined term wholly duplicated from the definition as it appears in the current Array DML. The insertion is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.

DML provision	Current wording	Requested change	Reasoning for change
	None	Insert wording as follows: "monopile foundation" means a steel, concrete, or steel and concrete large diameter pile, typically cylindrical, driven and/or drilled into the seabed, including associated scour protection, transition piece, J-tubes, corrosion protection systems, boat landings comprising an access ladder with vertical boat fenders fitted either side, access and work platforms and equipment;	Insertion of a defined term wholly duplicated from the definition as it appears in the current Array DML. The insertion is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.
Part 1 – 1.(1) Interpretation	None	Insert wording as follows: "offshore substation" means an offshore platform constructed of steel or concrete or steel and concrete with single or multiple decks housing major electrical equipment including high voltage transformers, switchgear, control rooms, cabling and busbars, lightning protection masts, communications masts, cable management, back-up generators, fuel storage, emergency accommodation, workshops and stores, helihoist facilities, cranes and other associated electrical and ancillary equipment;	Insertion of a defined term wholly duplicated from the definition as it appears in the current Array DML. The insertion is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.
Part 1 – 1.(1) Interpretation	None	Insert wording as follows: "outline diver mitigation plan" means the document certified by the Secretary of State as the outline diver mitigation plan for the purposes of the Order;	Insertion of a defined term wholly duplicated from the definition as it appears in the current Array DML. The insertion is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.
Part 1 – 1.(1) Interpretation	None	Insert wording as follows: "piling restriction plan" means the plan certified as the piling restriction plan by the Secretary of State for the purposes of the Order:	Insertion of a defined term wholly duplicated from the definition as it appears in the current Array DML. The insertion is necessary for the transposition of the offshore substation (Work No.2) to the Export Cable DML.
Part - 2. (1) Details of licensed	None	Insert after the end of sub-paragraph (c) a new sub-	This amendment is necessary to apportion the material that may be disposed between the Array DML and the

DML provision	Current wording	Requested change	Reasoning for change
marine activities		paragraph (d) as follows: (d) the dredging of the seabed and the disposal of 2000m³ of inert material of natural origin produced during the drilling installation of or seabed preparation for foundations for Work No. 1 and Work No. 2 at disposal site reference WI117 Rampion OWF, whose coordinates are specified below—	Export Cable DML. When varied and read together the overall total quantity of material that may be deposited under the DML's and the location where it may be deposited remain unchanged.
		Point Latitude (DMS) Longitude (DMS) 1 50° 41′ 11.35 N 000° 21′ 55.86 W 2 50° 42′ 24.83 N 000° 13′ 45.70 W 5 50° 38′ 34.92 N 000° 09′ 02.89 W 6 50° 37′ 08.17 N 000° 15′ 42.14 W 7 50° 38′ 13.35 N 000° 16′ 17.09 W 8 50° 37′ 03.36 N 000° 20′ 36.10 W 19 50° 40′ 55.07 N 000° 05′ 50.01 W	
Part 1 – 2. (2) Details of licensed marine activities	None	Insert new wording as follows: Work No. 2 – Up to two substations fixed to the seabed by one of three foundation types (namely monopile foundation, gravity base foundation or jacket foundation) and situated within the area hatched red on the works plan:	This insertion is necessary to transfer the offshore substation from the Array DML to the Export Cable DML. The words inserted are transposed without amendment from paragraph 2(2) Part 1 of the Array DML.
Part 1 – 2. (2) Details of licensed marine activities	and in connection with such Work No 3A and to the extent that they do not otherwise form part of any such work, further associated development comprising such other works as may be necessary or expedient for the purposes of or in connection with the relevant part of the authorised project and which fall within the scope of the work assessed by the environmental statement and the provisions of this	and in connection with such Work Nos 2 and 3A and to the extent that they do not otherwise form part of any such work, further associated development comprising such other works as may be necessary or expedient for the purposes of or in connection with the relevant part of the authorised project and which fall within the scope of the work assessed by the environmental statement and the provisions of this licence; and in connection with such Work Nos 2 and 3A, works comprising— ()	These insertions are necessary to describe the licensed marine activities comprised in the offshore substation

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Part 2	licence; and in connection with such Work No 3A, works comprising— ()		
Part 2 – 1. Design parameters	None	After sub-paragraph (3) insert a new sub-paragraph (4) as follows: No offshore substation forming part of the authorised scheme shall be erected within the area hatched black on the works plan (the "exclusion zone for offshore substations"), whose coordinates are specified below- Point Latitude (DMS) Longitude (DMS) 3 50° 40′ 39.19 N 000° 04′ 26.23 W 4 50° 39′ 31.72 N 000° 01′ 28.06 W 5 50° 38′ 34.92 N 000° 09′ 02.89 W 19 50° 41′ 23.11 N 000° 20′ 37.74 W	This wording transposes the "exclusion zone for wind turbine generators and offshore substations" from paragraph 1 (5) of Part 2 of the Array DML which has been amended to remove the references to "wind turbine generators". The insertion as amended is necessary to apply the exclusion zone to the offshore substations that will be licensed under the Export Cable DML. Taken together with the proposed variation to paragraph 1 (5) of Part 2 of the Array DML the effect will be to exclude both wind turbine generators and offshore substations from the exclusion zone.
Part 2 – 1. Design parameters	None	Insert new wording as a new paragraph 1A after paragraph 1: (1) The total number of offshore substations forming part of the authorised scheme shall not exceed two. (2) The dimensions of any offshore substation forming part of the authorised scheme (excluding masts) shall not exceed 45 metres in height when measured from LAT, 45 metres in length and 45 metres in width. (3) Each offshore substation shall have no more than one supporting foundation.	This insertion transposes without amendment paragraph 2 of part 2 of the Array DML.
Part 2 – 1. Design	None	Following the newly inserted paragraph 1A insert a new paragraph 1B as follows:	These sub-paragraphs transpose largely without amendment the equivalent conditions of sub-

DML provision	Current wording	Requested change	Reasoning for change
parameters		(1) Each monopile foundation forming part of the authorised scheme shall not have a diameter greater than 6.5 metres. (2) Each gravity base foundation forming part of the authorised scheme shall not have— (a) a diameter at the level of the seabed which is greater than 34 metres; (b) a base height, where there is a flat base, which is greater than 10 metres above the level of the seabed. (3) Each jacket foundation forming part of the authorised scheme shall not have— (a) a width spacing between each leg at the level of the seabed which is greater than 32 metres; (b) a leg diameter which is greater than 2.6 metres; (c) a pile diameter which is more than 2.6 metres; (d) more than one pile per leg; (e) more than four legs. (4) No more than 2 monopile foundations shall be installed as part of the authorised scheme. (5) No more than 2 jacket foundations shall be installed as part of the authorised scheme.	paragraphs 4(1), (2), (3), (7), (8), and (11) of the Array DML. The inserted sub-paragraphs (4), (5), and (6), been amended to apportion the quantities of the relevant foundations and scour protection between the Array DML and the Export Cables DML.

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Part 2 - 2.(8) Notifications and inspections	(8) The undertaker shall ensure that a notice to mariners is issued at least 10 working days prior to the commencement of Work No 3A advising of the start date of Work No 3A and the route of the subsea export cables	After sub-paragraph (8) insert a new sub-paragraph (8A) as follows: (8A) The undertaker shall ensure that a notice to mariners issued at least 10 working days prior to the commencement of Work No. 2 advising of the start date of Work No. 2 and the expected vessel routes from the local construction ports to the relevant location.	This insertion transposes sub-paragraph 5 (8) of Part 2 of the Array DML to the Export Cables DML which requires a notice to mariners to be given 10 days prior to the commencement of Work Nos. 1 and 2. It has been amended to remove reference to Work No.1 but is otherwise as it appears in the Array DML.
Part 2 – 5.(1) Chemicals, drilling and debris	(1) Unless otherwise agreed in writing by the MMO all chemicals used in the construction of the authorised scheme shall be selected from the List of Notified Chemicals approved for use by the offshore oil and gas industry under the Offshore Chemicals Regulations 2002.	(1) Unless otherwise agreed in writing by the MMO all chemicals used in the construction of the authorised scheme, including any chemical agents placed within any monopile void, shall be selected from the List of Notified Chemicals approved for use by the offshore oil and gas industry under the Offshore Chemicals Regulations 2002.	This insertion transposes equivalent wording that appears in sub-paragraph 9 (1) of Part 2 of the Array DML.
Part 2 – 5. Chemicals, drilling and debris	None	After sub-paragraph 5 (11) insert a new sub-paragraph 5(12) as follows: (12) Where foundation drilling works are proposed, in the event that any system other than water-based mud is proposed the MMO's written approval in relation to the proposed disposal of any arisings shall be obtained before the drilling commences, which may also require a marine licence.	The insertion of this sub-paragraph transpose the equivalent condition without amendment contained in sub-paragraph 9(4) of the Array DML.
Part 2 – 5. Chemicals, drilling and debris	None	After the newly inserted sub-paragraph 5 (12) insert a new sub-paragraph (13) as follows: (13) The undertaker shall inform the MMO of the location and quantities of material disposed of each month under the Order, by submission of a disposal return by 31 January each year for the months August	The insertion of this sub-paragraph transposes the equivalent condition without amendment contained in sub-paragraph 9(9) of Part 2 of the Array DML.

DML provision	Current wording	Requested change	Reasoning for change
		to January inclusive, and by 31 July each year for the months February to July inclusive.	
Part 2 – 5. Chemicals, drilling and debris	None	After the newly inserted sub-paragraph 5(13) insert a new sub-paragraph (14) as follows: (14) The undertaker shall ensure that only inert material of natural origin, produced during the drilling installation of or seabed preparation for foundations and drilling mud shall be disposed of within the offshore Order limits (disposal site reference WI117 Rampion OWF), and that any other materials are screened out before disposal at this site.	The insertion of this sub-paragraph transpose the equivalent condition without amendment contained in sub-paragraph 9(14) of Part 2 of the Array DML.
Part 27 (1)(c) Pre-construction plans and documentation	None	After sub-paragraph 7(1)(c)(viii) insert the following sub-paragraphs: (ix) unless approved in writing by the MMO under paragraph 11 (1)(c)(i) of Part 2 of the [array DML], drilling methods and disposal of drill arisings and material extracted during seabed preparation for foundation works; (x) unless approved in writing by the MMO under paragraph 11 (1)(c)(ii) of Part 2 of of the [array DML], offshore substations' location and installation, including scour protection;	It is anticipated that the construction method statement submitted and approved in writing by the MMO under paragraph 11(1)(c) of Part 2 of the Array DML will adequately regulate this aspect of the construction of the offshore substation(s). This sub-paragraph gives effect to that intention and transposes without further amendment sub-paragraphs 11(1)(c)(i) and, so far as it is relevant to the offshore substation (ii), from Part 2 of the Array DML to relate that approval to the Export DML.
Part 2- 7.(1) Pre- construction plans and documentation	None	After sub-paragraph 7(1) (h) insert the following sub-paragraph (i): (i) unless approved in writing by the MMO under paragraph 11(1)(a) of Part 2 of the [array DML], the design plan required to be approved under paragraph (1)(a) must show- (i) the height, length and width of all offshore substations; (ii) the dimensions of all monopile foundations; (iii) the dimensions of all gravity base foundations;	It is anticipated that the design plan submitted and approved in writing by the MMO under paragraph 11(1)(a) of the Array DML will adequately regulate this aspect of the construction of the offshore substation(s). This sub-paragraph gives effect to that intention and transposes with consequential amendments subparagraphs 11(3)(b)(v), (vi) and (vii) from Part 2 of the Array DML to relate that approval to the Export DML.

DML provision	Current wording	Requested change	Reasoning for change
		(iv) the dimensions of all jacket foundations. to ensure conformity with the descriptions of Work Nos.2 and compliance with condition 1(4) above;	
Part 2- 7.(1) Preconstruction plans and documentation	None	After the newly inserted paragraph 7(1)(i) insert a new sub-paragraph (j) as follows: (j) Unless approved in writing by the MMO under paragraph 11(1)(f) of Part 2 of the [array DML], in the event that driven or part-driven pile foundations are proposed to be used, a marine mammal mitigation protocol to be agreed in writing with the MMO in consultation with Natural England and JNCC and following current best practice as advised by the statutory nature conservation agencies, to include— (i) identification of a Marine Mammal Monitoring Zone (MMMZ); (ii) appointment of an appropriate number of suitably qualified marine mammal observer(s): (iii) methods for the detection of marine mammals within the MMMZ whether visually (by the marine mammal observer(s)) or acoustically using Passive Acoustic Monitoring equipment or other means of detection; (iv) a reporting methodology to enable efficient communication between the marine mammal observer(s) and the person responsible for approving commencement of piling; (v) an appropriate soft start procedure whereby piling activities do not commence until an agreed time has elapsed and during which marine mammals have not been detected within the MMMZ;	It is anticipated that the marine mammal protocol submitted to the MMO under paragraph 11(1)(f) of the Array DML will adequately regulate this aspect of the construction of the offshore substation(s). This paragraph gives effect to that intention and transposes without further amendment paragraph 11(1)(f) of Part 2 of the Array DML to the Export Cables DML.

DML provision	Current wording	Requested change	Reasoning for change
		(vi) where appropriate, methods for the application of acoustic deterrent devices;	
Part 2 – 7.(1) Preconstruction plans and documentation	None	After the newly inserted paragraph 7(1)(j) insert a new sub-paragraph (k) as follows: (K) Unless approved in writing by the MMO under paragraph 11(1)(j) of Part 2 of the [array DML], a diver mitigation plan, which accords with the outline diver mitigation plan, to include details of— (i) an appropriate soft start procedure; (ii) appointment of a diver liaison officer; and (iii) a diver communication plan, to include notification of the timing and duration of piling activities.	This insertion transposes paragraph 11(1)(i) of Part 2 of the Array DML to the Export Cable DML. As with other pre-construction plans and documentation it is intended that where a diver mitigation plan has been approved under the Array DML it is unnecessary to also seek approval under the Export Cables DML.
Part 2	None	After paragraph 15 insert a new paragraph 16 as follows: Black bream spawning 16.—(1) No pile driving works for monopile foundations shall be carried out by or on behalf of the undertaker as part of or in relation to the authorised scheme between 15 April and 30 June each year, unless the MMO provides written confirmation to the undertaker beforehand that such works can take place in all or in a specified part of the Order limits, or during this period or part of this period. (2) No pile driving works for jacket foundations (pin piles) shall be carried out by or on behalf of the undertaker as part of or in relation to the authorised scheme between 15 April and 30 June each year within the black bream restriction zone	This insertion transposes paragraph 18 of Part 2 of the Array DML to the Export Cable DML.

DML provision	Current wording	Requested change	Reasoning for change
		unless the MMO provides written confirmation to the undertaker beforehand that such works can take place in all or in a specified part of the zone, or during this period or part of this period. (3) In considering whether to provide the confirmation referred to in (1) or (2) above, the MMO shall have regard to any report or reports provided to the MMO by or on behalf of the undertaker relating to such matters as additional baseline information piling management measures. installation techniques or noise propagation modelling. (4) In this condition, "black bream restriction zone" means the area shaded blue on the piling restriction plan whose coordinates are set out below— Point Latitude (DMS) Longitude (DMS) 1 50° 41' 11.35 N 000° 21' 55.86 W 20 50° 37' 44.16 N 000° 20' 49.20 W	
Part 2	None	After the newly inserted paragraph 16 insert a new paragraph 17 as follows: Herring spawning	This insertion transposes paragraph 19 of Part 2 of the Array DML to the Export Cables DML.

DML provision	Current wording	Requested change	Reasoning for change
		17(1) No pile driving works for monopile foundations shall be carried out by or on behalf of the undertaker as part of or in relation to the authorised scheme between 20 November and 15 January each year, unless the MMO provides written confirmation to the undertaker beforehand that such works can take place in all or in a specified part of the Order limits, or during this period or part of this period. (2) No pile driving works for jacket foundations (pin piles) shall be carried out by or on behalf of the undertaker as part of or in relation to the authorised scheme between 20 November and 15 January each year unless the MMO provides written confirmation to the undertaker beforehand that such works can take place in all or in a specified part of the Order limits, or during this period or part of this period. (3) In considering whether to provide the confirmation referred to in (1) or (2) above, the MMO shall have regard to any report or reports provided to the MMO by or on behalf of the undertaker relating to such matters as additional baseline information, reduced spatial restrictions, piling management measures, installation techniques or noise propagation modelling.	
Part 2	None	After the newly inserted paragraph 17 insert a new paragraph 18 as follows: Restrictions on monopile foundations 18 (1) Subject to paragraph (2), pile driving shall not occur for more than one monopile at any one time within the Order limits. (2) In the case of the proposed simultaneous piling of two or more monopiles within the Order limits, the proposal together with a calculation of projected noise	This insertion transposes paragraph 20 of Part 2 of the Array DML to the Export Cables DML without further amendment.

DML provision	Current wording	Requested change	Reasoning for change
		measurements and contours within the scope of the assessment in the environmental statement shall be provided to the MMO and such simultaneous piling shall not take place until the proposal has been approved by the MMO.	