

DCP 205 Options Table

	Words	Advantages	Disadvantages
Likely to cause disruption to other Users (Action - Neil Magrath)	<p><u>1.36 The circumstances where we would not fully fund the Reinforcement are where the</u></p> <p><u>(a) generation equipment with a rated output greater than 16 amperes per phase (including the connection of generation equipment of less than 16 amperes per phase where the aggregate capacity of installed generation equipment at the premises is greater than 16 amperes per phase);</u></p> <p><u>(b) equipment which is likely to cause disruption to others.</u></p>	<ul style="list-style-type: none"> • Simple • Future proofed • DNOs must have proof /evidence 	<ul style="list-style-type: none"> • Open to interpretation • Customers unlikely to know in advance of purchase in order to make an informed decision • Relies on notification by the customer in advance • May not reflect Ofgem strategy decision
Equipment Standard (Action – Peter Turner)	<p><u>1.36 The circumstances where we would not fully fund the Reinforcement are where the</u></p> <p><u>(a) generation equipment with a rated output greater than 16 amperes per phase (including the connection of generation equipment of less than 16 amperes per phase where the aggregate capacity of installed generation equipment at the premises is greater than 16 amperes per phase);</u></p> <p><u>(b) equipment is considered by the licensee to be likely to interfere with</u></p>	<ul style="list-style-type: none"> • Customers more likely to know as there will be a list of standards • Unambiguous • Consistent • Greater transparency 	<ul style="list-style-type: none"> • May require development of industry standards • May take significant time to develop industry standards • Future proofing effort required • Could cause an inappropriate locational signal resulting in discouraging adoption of certain equipment • Removes DNO

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	<p><u><i>the safe and efficient operation of its Distribution System or with the supply to any other Customer's premises and therefore causes or is likely to cause Reinforcement Costs to arise.</i></u></p>		<p>discretion to act in the customers interest</p>
<p>Equipment List (Action – Paul Smith)</p>	<p><u>1.36 The circumstances where we would not fully fund the Reinforcement are where the</u></p> <p><u>(a) generation equipment with a rated output greater than 16 amperes per phase (including the connection of generation equipment of less than 16 amperes per phase where the aggregate capacity of installed generation equipment at the premises is greater than 16 amperes per phase);</u></p> <p><u>(b) load equipment with a rated input of greater than 16 amperes per phase and, where less than this, where the licensee has a reasonable expectation the equipment will fail to meet the equipment standards which have been clearly set out in BS EN 61000-3-3 and BS EN 61000-3-2 Equipment standards include:</u></p> <ul style="list-style-type: none"> • <u>Electric boilers for central heating</u> • <u>Heat pumps, air conditioners and</u> 	<ul style="list-style-type: none"> • Customers more likely to know • Unambiguous • Greater transparency 	<ul style="list-style-type: none"> • Future proofing effort required • Could cause an inappropriate locational signal resulting in discouraging adoption of certain equipment • Removes DNO discretion to act in the customers interest

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	<p><u>commercial refrigeration equipment</u></p> <ul style="list-style-type: none"> • <u>Uninterruptible power supplies, electric vehicle charging systems & industrial battery charging systems</u> • <u>Electric kilns</u> • <u>Industrial/commercial converters (i.e. rectifiers, ACDC converters [including adjustable speed power drives] & AC-AC converters)</u> • <u>Agricultural lighting control & industrial heating control</u> • <u>Arc welders within scope of BS EN 61000-3-2, -3, -11 & -12 (e.g. non-professional)</u> • <u>Other equipment with stated Zmax to 61000-3-11 if known (e.g. electric shower)</u> • <u>Other equipment with stated Ssc to 61000-3-12 if???</u> 		
<p>Network Standards (Action – Claire Campbell)</p>	<p><u>1.36 The circumstances where we would not fully fund the Reinforcement are where the</u></p> <p><u>(a) generation equipment with a rated output greater than 16 amperes per phase (including the connection of generation equipment of less than 16 amperes per phase where the aggregate capacity of installed generation equipment at the premises is greater than 16 amperes</u></p>	<ul style="list-style-type: none"> • Definable • Identifies the impact of any disruption 	<ul style="list-style-type: none"> • Customers unlikely to know in advance of purchase in order to make an informed decision • Different DNOs have different standards (National and local standards) • May not reflect Ofgem

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	<p><i>per phase);</i></p> <p><i>(b) <u>equipment is considered by the licensee to be likely to cause network standard issues under ESQCR: frequency, voltage etc P28: voltage fluctuation etc ??</u></i></p>		strategy decision
<p>Cost of Fixing (High Cost Cap) (Action – Cathy Falconer)</p>	<p><i>1.36 The circumstances where we would not fully fund the Reinforcement are where the</i></p> <p><i>(a) <u>generation equipment with a rated output greater than 16 amperes per phase (including the connection of generation equipment of less than 16 amperes per phase where the aggregate capacity of installed generation equipment at the premises is greater than 16 amperes per phase);</u></i></p> <p><i>(b) <u>the cost of any reinforcement required in excess of £200/kW.</u></i></p>	<ul style="list-style-type: none"> • Recovers costs from disruptive load • Send a price signal • Site specific • Caps the exposure for DUoS Customers 	<ul style="list-style-type: none"> • Customers unlikely to know in advance of purchase in order to make an informed decision • Complicated –Site specific • Disadvantaged pockets –Inconsistent treatment geographically • May not reflect Ofgem’s strategy decision
<p>Remain Silent fix later (Action – Brian Hoy)</p>	<p><i>1.36 The circumstances where we would not fully fund the Reinforcement are where <u>generation equipment with a rated output greater than 16 amperes per phase is installed (including the connection of generation equipment of less than 16 amperes per phase where the aggregate capacity of installed generation equipment at the premises is greater than 16 amperes per phase)</u></i></p>	<ul style="list-style-type: none"> • Simple 	<ul style="list-style-type: none"> • Inconsistent with generic charging policy • More expensive for DUoS Customers • Does not send a price signal

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<p>Does cause disruption to other Users (Action – Neil Magrath)</p>	<p><u>1.36 The circumstances where we would not fully fund the Reinforcement are where the</u></p> <p><u>(a) generation equipment with a rated output greater than 16 amperes per phase (including the connection of generation equipment of less than 16 amperes per phase where the aggregate capacity of installed generation equipment at the premises is greater than 16 amperes per phase);</u></p> <p><u>(b) equipment which we have identified is causing disruption to others.</u></p>	<ul style="list-style-type: none">• Simple• Future proofed• DNOs more likely to have proof /evidence	<ul style="list-style-type: none">• Customers unlikely to know in advance of purchase in order to make an informed decision• May not reflect Ofgem’s strategy decision
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