DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 1 – Customer details ***This is a correspondence address; enter site address in Section 2***		
Title:	First name:	Last name:
Company (if applicable):		Company registered number (if applicable):
Property name/number:		
Street:		Town:
City:		Postcode:
Daytime telephone:		Mobile:
Email address:		Fax number:

Section 2 – Site details ***Site details for the location of the connection(s)***	
Site name/number/plot number(s):	
Street:	Town:
City:	Postcode:
Adjacent property address (if this will help us to locate your site):	

Section 3 – Representative details ***Nominate a representative – contractor, supplier or agent – to act on your behalf (if applicable)***		
Title:	First name:	Last name:
Company (if applicable):		Company registered number (if applicable):
Property name/number:		
Street:		Town:
City:		Postcode:
Daytime telephone:		Mobile:
Email address:		Fax number:

Section 4 – Type of connection(s) required	
☐ New connection	☐ Additional or amended load (proceed to Section 4.2)

Section 4.1 – New connection further details		
☐ Domestic premises	☐ Commercial premises	☐ Industrial premises

4.1.1	Number of connections required:

Section 4.2 – Power requirement ***If you have more than five connections please provide more details in Section 10***			
4.2.1	Connection 1	Existing maximum demand (kVA):	Required maximum demand/import capacity (kVA):
4.2.2	Connection 2	Existing maximum demand (kVA):	Required maximum demand/import capacity (kVA):
4.2.3	Connection 3	Existing maximum demand (kVA):	Required maximum demand/import capacity (kVA):
4.2.4	Connection 4	Existing maximum demand (kVA):	Required maximum demand/import capacity (kVA):
4.2.5	Connection 5	Existing maximum demand (kVA):	Required maximum demand/import capacity (kVA):

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 5 – Existing connection information ***If your site has existing connections please provide the 13-digit MPAN (meter point administration number) of each one*** ***If you have more than five connections please provide more details in Section 10***														
5.1	Connection 1													
5.2	Connection 2													
5.3	Connection 3													
5.4	Connection 4													
5.5	Connection 5													

Section 6 – Generation ***If the option below applies then please complete Section 6.1***
☐ Generation

Section 6.1 – Generation capacity requirement ***If you have more than five connections please provide more details in Section 10***			
6.1.1	Connection 1	Proposed export capacity (kVA):	Total generation capacity (kVA):[1]
6.1.2	Connection 2	Proposed export capacity (kVA):	Total generation capacity (kVA):
6.1.3	Connection 3	Proposed export capacity (kVA):	Total generation capacity (kVA):
6.1.4	Connection 4	Proposed export capacity (kVA):	Total generation capacity (kVA):
6.1.5	Connection 5	Proposed export capacity (kVA):	Total generation capacity (kVA):

[1] Aggregate kVA rating of all the electrical energy sources including storage.

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7 – Non-linear (harmonic) electrical load details ***If any of the options below apply then please complete Section 7.1***			
☐ Convertor(s)[2]	☐ AC Regulator(s)	☐ Heat Pump(s)	☐ Electric Vehicle Charge Point(s)
☐ Other (please specify)			

Section 7.1 – Further Details – Summary

7.1.1 Convertors (including Electric Vehicle Charge Points with DC output)						
7.1.1.1	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.1.2	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.1.3	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.1.4	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.1.5	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.2 AC Regulators[3]						
7.1.2.1	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.2.2	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.3 Heat Pumps						
7.1.3.1	Whole system	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.1.1	Compressor 1	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.1.2	Compressor 2	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.1.3	Boost	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.1.4	Back-up	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.2	Whole system	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.2.1	Compressor 1	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.2.2	Compressor 2	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.2.3	Boost	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.3.2.4	Back-up	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:
7.1.4 Electric Vehicle Charge Points with AC output only (i.e. no DC output)						
7.1.4.1	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.4.2	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.4.3	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.4.4	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	
7.1.4.5	Rating (kVA):	Phases (1/2/3):	Voltage (V):	Make:	Model:	

Also complete Section 7.1A, 7.1B, 7.1C or 7.2A, as appropriate

[2] Rectifier, AC–DC and AC–AC equipment. For example, uninterruptible power supplies, electric vehicle chargers with DC output, motor variable speed drives, active front-end (AFE)/infeed convertors with line filter to IEC TS 62578, DC welders and high-frequency induction furnaces.

[3] For example, thyristor heating/lighting control.

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.1A – Compliance statement[4] – *LV equipment rated ≤ 16 A* ***…continued from Section 7.1***			
7.1A.1 Convertors (including Electric Vehicle Charge Points with DC output)			
Item 7.1.1.1 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.1.2 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.1.3 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.1.4 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.1.5 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
7.1A.2 AC Regulators			
Item 7.1.2.1 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.2.2 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
7.1A.3 Heat Pumps			
Item 7.1.3.1 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.1.1 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.1.2 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.1.3 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.1.4 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.2 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.2.1 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.2.2 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.2.3 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.3.2.4 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
7.1A.4 Electric Vehicle Charge Points with AC output only (i.e. no DC output)			
Item 7.1.4.1 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.4.2 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.4.3 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.4.4 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C
Item 7.1.4.5 from 7.1	☐ IEC 61000-3-2 compliant	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-2 non-compliant – complete Section 7.1C

[4] Refer to equipment manufacturer.

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.1B – Compliance statement[5] – *LV equipment rated > 16 A and ≤ 75 A* ***…continued from section 7.1***				
7.1B.1 Convertors (including Electric Vehicle Charge Points with DC output)				
Item 7.1.1.1 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.1.2 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.1.3 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.1.4 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.1.5 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
7.1B.2 AC Regulators				
Item 7.1.2.1 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.2.2 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
7.1B.3 Heat Pumps				
Item 7.1.3.1 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.1.1 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.1.2 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.1.3 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.1.4 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.2 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.2.1 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.2.2 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.2.3 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.3.2.4 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
7.1B.4 Electric Vehicle Charge Points with AC output only (i.e. no DC output)				
Item 7.1.4.1 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.4.2 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.4.3 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.4.4 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Item 7.1.4.5 from 7.1	☐ IEC 61000-3-12 compliant	☐ IEC 61000-3-12 compliant subject to $S_{SC\ Min}$ (kVA):	☐ Confirm EC Declaration of Conformity attached	☐ IEC 61000-3-12 non-compliant – complete Section 7.1C
Also complete Section 7.1B.5 or attach EMC Test Report for each item				

[5] Refer to equipment manufacturer.

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.1B.5 – Harmonic current emissions from EMC Test Report[6] ***Complete a separate sheet for each item listed in 7.1B with an IEC 61000-3-12 compliance statement***						
Item: from 7.1B	Rating (kVA):	Rating (A):	Phases (1/2/3):	Rated Voltage (V):	Make:	Model:
Test/simulation results to IEC 61000-3-12						
Voltage (V):	Current (A):	Power (W):	Power factor:	Reference current, I_{ref} (A):		
Minimum short-circuit ratio, R_{SCE}:			Minimum short-circuit power, $S_{SC\,Min}$ (kVA):[7]			

	Harmonic current emission		
	L1	L2	L3
THD_i (% h = 1)			
THC/I_{ref} (%)[8]			
$PWHC/I_{ref}$ (%)[8]			
	Harmonic current emission (A)		
	L1	L2	L3
Harmonic order, h			
1			
2			
3			
4			
5			
6			
7			
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[6] Refer to equipment manufacturer.

[7] In IEC 61000-3-12, the term S_{SC} is used.

[8] Refer to IEC 61000-3-12 for definition.

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.1C – Equipment technology statement – *LV equipment rated > 75 A or rated ≤ 75 A and non-compliant with IEC 61000-3-2 and IEC 61000-3-12* ***…continued from Section 7.1***				
7.1C.1 Convertors (including Electric Vehicle Charge Points with DC output)				
Item 7.1.1.1 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active-front-end convertor	☐ Single-phase rectifier
Item 7.1.1.2 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active-front-end convertor	☐ Single-phase rectifier
Item 7.1.1.3 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active-front-end convertor	☐ Single-phase rectifier
Item 7.1.1.4 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active-front-end convertor	☐ Single-phase rectifier
Item 7.1.1.5 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active-front-end convertor	☐ Single-phase rectifier
Also complete Section 7.2C.1 for each item to permit an EREC Stage 2C assessment				

Section 7.2A – Equipment technology statement – *HV point of common coupling* ***…continued from Section 7.1*** ***Complete this section if it is known that the connection with have a high voltage (HV) connection or a low voltage (LV) connection with an HV point of common coupling[9]***			
7.2A.1 Convertors (including Electric Vehicle Charge Points with DC output)			
Item 7.1.1.1 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active front-end convertor
Item 7.1.1.2 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active front-end convertor
Item 7.1.1.3 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active front-end convertor
Item 7.1.1.4 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active front-end convertor
Item 7.1.1.5 from 7.1	☐ Six-pulse	☐ Twelve-pulse	☐ Active front-end convertor
Also complete section 7.2C.2 for each item to permit an EREC Stage 2C assessment			

[9] Point of common coupling (PCC) is the point in the public supply system, electrically nearest to a Customer's installation, at which other Customers' loads are, or may be, connected.

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.2C.1 – Harmonic current emissions

Complete a separate sheet for each item listed in 7.1C

If interharmonic emissions are present then also complete 7.2.C.1.1

Item: 7.1 from	Rating (kVA):	Rating (A):	Phases (1/2/3):	Voltage (V):	Make:	Model:

	Harmonic current emission (% h = 1)																												
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
THD																													
	Harmonic current emission (A)																												
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
Line	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Order																														
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DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

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DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.2C.1.1 – Interharmonic current emissions

Complete a separate sheet for each item listed in 7.1C

Item:	from 7.1	Rating (kVA):	Rating (A):	Phases (1/2/3):	Voltage (V):	Make:	Model:

	Interharmonic current emission (A)																													
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
Line	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Interharmonic component frequency (Hz)																														
	Interharmonic group current emission (A)																													
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
Line	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Interharmonic group frequency (Hz)																														

DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.2C.2 – Aggregate harmonic current emissions at HV

Complete a separate sheet for each item listed in 7.2C

If interharmonic emissions are present then also complete 7.2.C.2.1

Item: 7.1 from	Rating (kVA):	Rating (A):	Phases (1/2/3):	Voltage (V):	Make:	Model:

	Harmonic current emission (%)																												
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
THD																													
	Harmonic current emission (A)																												
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
Line	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
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DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

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DATA COLLECTION FORM

Proposed Connection: Non-linear (Harmonic/Interharmonic)/Resonant Plant & Equipment

Section 7.2C.2.2 – Aggregate interharmonic current emissions at HV

Complete a separate sheet for each item listed in 7.2C

Item:	from 7.1	Rating (kVA):	Rating (A):	Phases (1/2/3):	Voltage (V):	Make:	Model:

	Interharmonic current emission (A)																													
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
Line	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Interharmonic component frequency (Hz)																														

	Interharmonic group current emission (A)																													
Power level	10%			20%			30%			40%			50%			60%			70%			80%			90%			100%		
Line	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Interharmonic group frequency (Hz)																														

Commented [PH1]: I assume this was supposed to be 10–100%; the original was all 10%.
Please review.

Data Collection Form:

Proposed Connection of Non-linear (Harmonic) and Resonant Plant and Equipment

Section 8 – Resonant plant details ***If any of the options below apply then please complete Section 8.1***	
☐ Capacitor(s)	☐ Other (please specify)

Section 8.1 – Further details	
8.1.1 Capacitors	
8.1.1.1	Aggregate rating (kVA):
8.1.2 Other[10]	
8.1.2.1	Shunt capacitance (kVAr):
8.1.3 Static part of active power demand	
8.1.3.1	P_s (kW):

Commented [PH2]: Should this be in kVAr?
Or Kvar?
Or KVar?
...
Forooz?

IEC say kvar, merging the V and A into a single unit, "var", but it may be preferred to include Mr Volta and Mr Ampere in the symbol?

Commented [PH3]: Should this be kW?

Section 9 – Declaration	
☐ I confirm I have completed all sections that are relevant to my connection. Note: to prevent your proposed connection from being delayed, please ensure you have provided all the required information.	
Print name	**Signature**
Company	**Date**

[10] Cable capacitance, if significant.

Data Collection Form:

Proposed Connection of Non-linear (Harmonic) and Resonant Plant and Equipment

Section 10 – Additional information ***Please provide any additional information that may be relevant***

Data Collection Form:

Proposed Connection of Non-linear (Harmonic) and Resonant Plant and Equipment