

lain McLean
Def Comrcl CC-HOCS 3a

Level 2, Kentigern House 65 Brown Street Glasgow, G2 8EX

Tel: 0141 224 2681

Email: iain.mclean118@mod.gov.uk

Frazer-Nash Consultancy Ltd 1 Lower Lamb Street Bristol BS1 5UD

Your Reference:

Our Reference: 700000447 Date:

23 November 2018

Dear Sirs.

Contract Number 700000447 for the Provision of the Novel Weapons Pre-Concept Programme – SQEP and Understanding

FATS 5 Filter 5 - WOME Engineering

- 1. The Authority hereby accepts Part of your Tender reference: **700000446** dated **7** November 2018.
- 2. For your convenience, the Terms and Conditions of the Contract which will result from this acceptance are attached.
- 3. Payment will be made in accordance with the attached Terms and Conditions. If your company has not already provided its banking details to the Defence Business Services (DBS) Finance Branch, please complete the Form BX177, which is available from the website (https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement) (search for DBS Finance payments: nominate a bank form) and forward to DBS Finance, Walker House, Exchange Flags, Liverpool, L2 3YL.
- 4. Please acknowledge this by completing sections B and C in the table overleaf, signing both copies of this letter at section B and returning one to the address above.

Yours faithfully,

lain McLean Def Comrcl CC-HOCS 3a

DOCUMENT CLASSIFICATION

Offer and Acceptance	
Section A) Acceptance	Section B) Confirmation of Receipt
Acceptance of Tender 70000446 constitutes acceptance by the Authority of your company's tender 70000446 for the supply of the Deliverables.	I acknowledge receipt of the Authority's Contract letter no. 700000447 .
Signed by:	Signed by:
Name (Block Capitals): IAIN MCLEAN	Name (Block Capitals):
Position: Commercial Manager	Position:
For and on behalf of the Authority	For and on behalf of
Authorised Signatory	Authorised Signatory
Date ¹ :	Date:
Section C) Tier 1 Sub-Contractor data: ²) Location Of work SMEYes / No
Name value of work (£ ex VAT) Location Of work SME Yes / No
Name value of work (£ ex VAT) Location Of work SME Yes / No
Name value of work (£ ex VAT) Location Of work SMEYes / No) Location Of work SMEYes / No

Please reply to the Commercial Branch named in the heading quoting the Contract Number on all correspondence.

¹ The date of unqualified acceptance by signature is the effective date of the Contract

² The MOD is required to report to the Government any spend with Small and Medium-sized Enterprises (SMEs) including sub-contractors (Tier 1). SMEs are defined by the EU on http://ec.europa.eu/enterprise/policies/sme/facts-figures-analysis/sme-definition/index_en.htm

Schedule 3 (Tasking Form)

DRAFT/FINAL/AMENDMENT (DELETE AS APPROPRIATE)

	ation				
Unique Tasking Order N	Jumber 700000447		Ve	rsion No. & Date	V1 19/09/18
FATS Business Case N	umber	Original FBC FBC70 Amendment FBC (FATS team supplied)	000 Su	Supplier Reference Number FNC 59998- 107324V	
Project / Equipment for task is in support					
Task Title	The No	ovel Weapons Pre-Cor	ncept Programm	ie – SQEP and	Understanding
Filter Name and Number:		OME Engineering Buildance for definition of We	nrk Category		
Flease felei to FATO O	ustomer c	addance for definition of we	-		
Directorate & PT / Organisation Title	FMC-WECA		Supplier Name	Frazer-Nash Consultancy Ltd	
PT Leader/ Project Manager			Post		
Post			Address	1 Lower Lam	b Street
	Level 3, Zone 7		_1		
Address	Level	3, Zone 7	1	Bristol	
Address		3, Zone 7 //ain Building,		Bristol	
Address	MoD N			Bristol	
Address Postcode	MoD N	Main Building,	Postcode	Bristol BS1 5UD	
	MoD N	Main Building,	Postcode Telephone / Fax No		12
Postcode	MoD N	Main Building,	Telephone /	BS1 5UD	1/2

1. Schedule of Requirements

Brief summary of requirement – expand/delete rows as appropriate (full details appear below in the Statement of Requirement)

Item No	Description	Firm Price
	The Novel Weapons Pre-Concept Programme – SQEP and Understanding	£ (Ex VAT)

STATEMENT OF REQUIREMENT

Unique Tasking Number	Issue Number & Date	Supplier Reference Number:
700000447	V1 19/09/18	

Task Title:

The Novel Weapons Pre-Concept Programme - Procurement and Support

Brief Description of Task (or see attached detailed Statement of Requirement):

The Novel Weapons Pre-Concept Programme (NW PCP) intends to address the gaps in NW understanding and levels of SQEP, across government, to ensure that, as Defence introduces these weapons into the core inventory, NW decision making becomes business as usual.

A competent, unbiased and technically educated independent party is required to identify the right stakeholders, conduct a gap analysis between the current level of understanding, or that which could be rapidly generated, against that which would be required for NW decision making to be made as business as usual. The difference between the current level and availability of SQEP and that of which would be required to support those decision makers will also be assessed.

Background/Justification:

The FMC – Strat Progs – WECA – Novel Weapon (NW) team was established in late 2017. Since then, the team has initiated a comprehensive programme of activity, approved by the NW SRO (Hd WECA). The Novel Weapon Pre-Concept Programme (NW PCP), which spans 4 FY (commenced FY 17/18), aims to get Defence business ready and prepare for the introduction of Directed Energy Weapons (DEW) into core. There are some unique challenges, across the Defence Lines of Development (DLODs), associated with introducing DEW as a military capability as part of the UK's inventory. The NW PCP intends to address these challenges and generate the evidence, understanding and confidence required so that Defence can appropriately consider DEW, alongside conventional weapons, at balance-of-investment decisions. To meet its objectives, the NW PCP is engaging heavily across Defence with DE&S, FLCs and DSTL and coordinating Defence's Novel Weapon activities from the Centre.

However, in this instance, the expertise to undertake this task does not reside in-house and independent support is required to ensure that this critical programme activity is undertaken, delays are not introduced into the programme and risk is not injected in at this early point; ensuring no impact on future military capability. To ensure VFM, the secondary objective of this task is to generate the skills inhouse so that subsequent tasks and activities of this nature can be conducted without third party support. This will be done in two ways – firstly, during the activity itself, in-house resource will work alongside the suppliers and secondly, successful suppliers will be required to produce digestible, clear and useful reports and deliverables that can be distributed and circulated amongst key departments to provide educational material; developing the knowledge and skills required for next time.

Failure to initiate this work will significantly impact the capability of the NW PCP to meet its timelines. Ultimately, it will delay the production of the evidence and understanding required to allow defence to appropriately consider Novel Weapons at future BOI decisions; and as a result, delaying their possible introduction as a military capability.

Activities to be Undertake:

Requirement: A competent, unbiased and technically educated independent party is required to initiate this package of work. The successful supplier will be required to:

- 1. Identify decision makers, across Government, who will be stakeholders in the process of introducing and sustaining Novel Weapons as a core capability
- 2. Assess their current understanding, their access to required information and their ability to make informed decisions on Novel Weapons, including with the support of wider community.
- 3. Conduct a gap analysis between the current level of understanding, or that which could be rapidly

generated, against that which would be required for NW decision making to be made as business as usual. The difference between the current level and availability of SQEP and that of which would be required to support those decision makers should also be assessed. Develop an education strategy for Government to address identified gaps Options: 1. Develop an implementation plan for the education strategy Deliverables: 1. A summary report on the conclusions of activities 1-4 Mid-project progress report and presentation (mid-December 2018) Deliverables: (insert here or below Key Deliverables template) See Key Deliverables template (TBC) Acceptance/Rejection criteria / provisions Acceptance: Rejection: Key Project Indicators (KPIs) and Performance Management Requirements Government Furnished Assets (GFA) (List all GFA applicable to the task in accordance with DEFCON 611 (Edn 02/16) & 694 (Edn 03/16)) Additional Quality Requirements & Standards: Timescale: ASAP **Commencement Date:** Work must be completed in FY18/19 **Delivery Date: April 2019** Project Manager:

Date:

Signature:

KEY DELIVERABLES TEMPLATE (Delete if not used)

- ask	MKM Capability	Activities to be	Key Deliverable and Required	List all GFA (if	Acceptance Criteria
2	Alea	Undertaken by Supplier	Delivery Date	required)	
-					4
2		market Market			
ന					
4					
ເດ					
ဖ					
7					,
ထ					
ത		-			
0					
4-					
2					
13					
7.					
rū					

All conditions of the framework shall apply as s of conditions become a binding contract at the t	upplemented by the terms selected below. ime of signature on the Schedule	The two sets	
Type of Contract	THE RESIDENCE OF THE PROPERTY		
Competitive			
Competitive Award Criteria	MEAT		
Weightings	70/30		
Reverse Auction used?			
Single Source			
General Conditions			
DEFCON 624 (Edn 04/10) – Use of Asbestos in Arms, Munitions or War Materials	DEFCON 603 (Edn 10/04) – Aircraft Integration and Clearance Procedure		
DEFCON 176A (Edn 06/08) - MOD	Additional Conditions	 	
Requirements For Competition In Subcontracting (Non-Competitive Main Contract)	A sheet is to be attached detailing any conditions that have been added		
DEFCON 514A (Edn 03/16) Failure of Performance under Research and Development Contracts			
Special Indemnity Conditions			
DEFCON 661 (Edn 10/06) - War Risk Indemnity			
DEFCON 661A (Edn 05/02) - War Indemnity Ris	k (Alternative Version)		
DEFCON 684 (Edn 01/04) - Limitation upon Clai	m in Respect of Aviation Products		
DEFCON 638 (Edn 12/08) - Flights Liability and	Indemnity		
Pricing Conditions Required			
Firm Priced at Outset (this applies to all tasks other	than by exception)		
For single source tasks valued below £5M, the fo DEFCON 127 (Edn 12/14) – Price Fixing Conditi DEFCON 800 (Edn 12/14) – Qualifying Defence	llowing conditions shall apply: on for Contracts of a Lesser Value	KXI	
DEFCON 801 (Edn 12/14) – Amendments to Qua Versions.	alifying Defence Contracts – Consolidated		
DEFCON 802 (Edn 12/14) – QDC – Open Book of Sub-Contracts.			
DEFCON 803 (Edn 12/14) - QDC: Disapplication and Losses (PEPL)	of Protection against Excessive Profits		
DEFCON 804 (Edn 12/14) – QDC: Confidentiality of Single Source Contract Regulations			

2. Order Conditions

Pricing Conditions Required	
Information.	
DEFCON 811 (Edn 12/14) – Single Source: Profit and Loss sharing on FIRM/FIXED Price Contracts.	
DEFCON 812 (Edn 04/15) - Single Source Open Book	
DEFCON 815 (Edn 04/15) Contract Pricing Statement Single Source Non-qualifying contracts	
Exceptionally, if other than Firm Priced at Outset (include additional conditions in attachment & complete Appendix 4)	

Payment Terms (Use of CP&F and I	Payment on Completion	are the defa	uult)	arld	<u></u>	(n
DEFCON 522 (Ed		×	Milestone/Stage (see DEFCON 6	Payments 49 (Edn 07/99) k	oelow)	
DEFCON 5J (Edn Identifiers DEFCON 129 Packaging (For Ammunition & Exp	<i>(Edn 07/08)</i> – Articles other than	Annual Marketing of the Control of t	DEFCON 649 ((applicable to Tas where provision I milestone/Stage completion)	sks with delivera nas been made i	bles for	
OGD Payment Arr For tasks placed b procedure to be follo	angements y other Government o owed, as an attachment	lepartments, to this taskir	please provide fu ng form.	ill details of the	e payme	ent 🗆
Milestone/Stage Payments (Expand table as appropriate)				Due Date	%	Value £k (ex VAT)
Milestone/Stage No	Key Deliverable	And the state of t		Appendic del alcade come en accessora que de en 1942 Estabalica e de accesso e escar, cere		
1	Complation of Pha	se 1	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	31 Jan 19	46.5	
2	Completion of Pha	se 2	THE RESIDENCE AND LANGUAGE CO. T. P.	28 Feb 19	27.9	
3	Completion of Pha	se 3	TOP Every land of the second s	29 Mar 19	25.6	
4	THE REAL PROPERTY AND ASSESSMENT OF THE PROPERTY OF THE PROPER	A/A				
5	THE ARTHUR COMMENT OF THE STATE	Participation and provider and the second control of the second co		TO TAKE THE PARTY OF THE PARTY		
6	And the state of t		· ·			
7		and the second s	1	The second secon		
8		Control and the state of the st	(T. S. C.			
9	900 St. S. M. Marie - 119 9 9 9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	AND AND AREA OF THE PARTY OF TH	The state of the s		P. C.	
10	All Administration of the Control of	All decides and the paper with the second process.	THE RESERVE THE PARTY OF THE PA	The state of the s		
FINAL (Payment should be subject to a reasonable retention based on % of total cost)	Satisfactory delivery o	f all work und	ler the contract	Medican representation of the second	The state of the s	10 10 10 10 10 10 10 10 10 10 10 10 10 1

Intellectual Property Rights				
consulting FTS/STS Customer (Buidance or wi	ith DIPR, if a	opropriate condition(s) by ticking the boxes below after appropriate. In the event that no boxes are ticked in this perty generated under the Task shall be subject to the	
DEFCON	Tick As Applicable		Tasking Order Line Item (tick as appropriate)	
If DEFCON 703 does not apply then select either:				
DEFCON 705 (Edn 11/02)		All	The following Item Nos. only (insert below)	
		<u>OF</u>	<u>}:</u>	
DEFCON 14 Edn 11/05, 15 21 ,126 Edn 11/06 & DEFFORM 315		All	The following Item Nos. only (insert below)	
DEFCON 14 Edn 11/05, 16 Edn 10/04, 21 & DEFFORM 315		Ali	The following Item Nos. only (insert below)	
DEFCON 14 Edn 11/05, 90 Edn 11/06 & 126 Edn 11/06)	· 🗖	AII	The following Item Nos. only (insert below)	
DEFCON 14 (Edn 11/05), 91 (Edn 11/06) & 126 (Edn 11/06)		All 🖂	The following Item Nos. only (insert below)	
Other, as specified in a special IPR condition to be applied to the Tasking Order		All	The following Item Nos. only (insert below)	
No intellectual property conditions apply (refer to DIPR before ticking this box).				
Issue of Government Store	s	-		
DEFCON 23 (Edn 08/09)* - 5	Special Jigs,	Tooling an	d Test Equipment	
Controlled Information				
Issue of Controlled Information				
Doumant of Customs Duty				

DEFCON 619A (Edn 09/97) - Customs Duty Drawback Issue of Certificate in accordance with EU (Council) Regulation 150/2003

Progress Reports	-		
If ticked, progress reports must utilise the current version of DRRS Format Standards for Scientific and Technical Reports Prepared for the United Kingdom Ministry of Defence. DEFCON 642 (Edn.06/14) – Progress Meetings			
Brief Description			
Transport - select one box only	- "		
DEFCON 621A (Edn 06/97) – Transport (if the Authority is responsible for transport) DEFCON 621B (Edn 10/04) – Transport (if the Contractor is responsible for transport)			
Quality Assurance Conditions According to the product or scope of the work to be carried out, the Contractor sha requirements of:	ll meet the		
AQAP 2110 - NATO Quality Assurance Requirements for Design, Development and Production			
Deliverable Quality Plan requirements			
DEFCON 602A (Edn 12/06) - Quality Assurance with Quality Plan DEFCON 602B (Edn 12/06) - Quality Assurance without Quality Plan			
AQAP 2105 - NATO Requirements for Delivering Quality Plans			
Software Quality Assurance requirements			
AQAP 2210 - NATO Supplementary Software Quality Assurance Requirements to AQAP 2110			
Air Environment Quality Assurance requirements			
Def. Stan. 05-100 – Ministry of Defence Requirements for Certification of Aircraft for Authorised Flight and Ground Running (Mandatory where flying and/or ground running of issued aircraft is a requirement of the Task)			
Relevant MAA Regulatory Publications (See attachment for details)			
Additional Quality Requirements (See attachment for details)			
Warranty			
Express Warranty (See attachment for details) Warranty – remedies implied by general law			
Security			
DEFCON 659A (Edn 11/14) - Security Measures			

3.	p	۲Ï	ce

TOTAL CONTRACT PRICE	TYPE OF PRICING
	FIRM

4. Authority Tasking Order Commercial Officer Authorisation

Name	7			
Position				e e e e e e e e e e e e e e e e e e e
Signature				
Date	23 November 2018	Telephone Number	0141 224 2681	

5. Acknowledgement by supplier

Name	
Position	
Signature	
Date	Telephone Number

6. Record of Authorised Changes

CHANGE ISSUE NUMBER	DATE OF ISSUE	COMMENTS / REASON FOR CHANGE

7. Final Administration

On receipt of the tasking acknowledgement from the Contractor, the **Authority's Commercial Manager (who placed the task)** must send a copy of the acknowledged final tasking order form together with a completed DEFFORM 57 AND DEFFORM 111 (Edn 07/12) to:

DBS Finance Walker House Exchange Flags Liverpool L2 3YL

For OGDs Only

A copy of the acknowledged final tasking form must be sent by the **Authority's Commercial Manager (who placed the task)** and by the Contractor electronically to the FATS Team at the following address:

defcomrclcc-fatscases@mod.uk

Def Comrcl CC-TechSpt1c Poplar 1 #2119 MOD Abbey Wood South Bristol BS34 8JH

FATS Task Addresses and Other Information - Appendix 1

DEFFORM 111

1. Commercial Officer

Name:

Address: Kentigern House, 65 Brown Street, Glasgow G2 8EX

Email:

A

2. Project Manager, Equipment Support Manager or PT Leader (from whom technical information is available)

Name:

Address FMC-WECA, Level 3, Zone 7, MoD Main Building, Whitehall, London SW1A 9HB

Email:

2 +

3. Packaging Design Authority Organisation & point of contact:

N/A

(Where no address is shown please contact the Project Team in Box 2)

28 N/A

4. (a) Supply / Support Management Branch or Order Manager:

Branch/Name: N/A

≊N/A

(b) U.I.N. N/A

- 5. Drawings/Specifications are available from N/A
- 6. Intentionally Blank
- 7. Quality Assurance Representative: NYK

Commercial staff are reminded that all Quality Assurance requirements should be listed under the General Contract Conditions.

- 8. **AQAPS** and **DEF STANs** are available from UK Defence Standardization, for access to the documents and details of the helpdesk visit http://dstan.uwh.diif.r.mil.uk/ [intranet] or https://www.dstan.mod.uk/ [extranet, registration needed].
- 9. Consignment Instructions The items are to be consigned as follows: N/A
- 10. Transport. The appropriate Ministry of Defence Transport Offices are:

A. DSCOM, DE&S, DSCOM, MoD Abbey Wood, Cedar 3c, Mail Point 3351, BRISTOL BS34 8JH

Air Freight Centre

IMPORTS 2030 679 81113 / 81114 Fax 0117 913 8943

EXPORTS @ 030 679 81113 / 81114 Fax 0117 913 8943

Surface Freight Centre

IMPORTS \$2030 679 81129 / 81133 / 81138 Fax 0117 913 8946

EXPORTS © 030 679 81129 / 81133 / 81138 Fax 0117 913 8946

B.<u>JSCS</u>

JSCS Helpdesk No. 01869 256052 (select option 2, then option 3)

JSCS Fax No. 01869 256837 www.freightcollection.com

11. The Invoice Paying Authority

Ministry of Defence, DBS Finance, Walker House, Exchange Flags Liverpool, L2 3YL

2 0151-242-2000 Fax: 0151-242-2809

Website is: https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement#invoice-

processing

12. Forms and Documentation are available through *:

Ministry of Defence, Forms and Pubs Commodity Management PO Box 2, Building C16, C Site, Lower Arncott, Bicester, OX25 1LP (Tel. 01869 256197 Fax: 01869 256824)

Applications via fax or email: DESLCSLS-OpsFormsandPubs@mod.uk

* NOTE

1. Many DEFCONs and DEFFORMs can be obtained from the MOD Internet Site:

https://www.aof.mod.uk/aofcontent/tactical/toolkit/index.htm

DEFCONS: https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defcons/defcon.htm

https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defcons/archive.htm

DEFFORMS: https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defforms/defelec.htm

Archived DEFFORMS: https://www.aof.mod.uk/aofcontent/tactical/toolkit/content/defforms/defelec_archive.htm

SC1A http://aof.uwh.diif.r.mil.uk/aofcontent/tactical/toolkit/content/stancon/template1a.htm

SC1B http://aof.uwh.diif.r.mil.uk/aofcontent/tactical/toolkit/content/stancon/template1b.htm

SC2 http://aof.uwh.diif.r.mil.uk/aofcontent/tactical/toolkit/content/stancon/template2.htm

2. If the required forms or documentation are not available on the MOD Internet site requests should be submitted through the Commercial Officer named in Section 1.

Appendix 2 to Schedule 3 (Confidentiality Agreement)

The provisions of this Clause are supplemental to DEFCON 531

- 1. Both DEFCON 531 and the provisions of this Clause apply to:
 - (A) This Tasking;
 - (B) Any Information disclosed by either party prior to the issue of a draft Tasking and in contemplation of Work being placed by the Authority under a Tasking; and
 - (C) Any Tasking placed under this Agreement, provided that Information provided to a party for the purpose of Tendering for a Tasking shall only be used for that Tendering purpose, and Information provided to a party for performing a Task placed on it under this Agreement shall only be used for the performance of that Task.
- 2. Subject to its requirements of continued access to Information necessary to exercise its rights of disclosure and use hereunder including under any Tasking Order, and to the obligations set out herein in respect of any Controlled Information (Definition in Clause 42 Schedule 1), the recipient of any Information shall:
 - (A) Upon the expiry or termination of the Agreement; or
 - (B) Upon the expiry or termination of any Tasking Order (for the purposes of which Information is disclosed); or
 - (C) If the Authority decides not to proceed with the issue of a Tasking Order (for the purposes of which Information is disclosed),

in accordance with any reasonable directions given and/or a reasonable request made by the other party promptly:

- (1) Return to the other party the Information and all copies thereof; or
- (2) Take such other measures in respect of the Information and all copies thereof as may be required elsewhere in the Tasking Order.
- 3. The provisions of DEFCON 531 and of this Clause shall survive the expiry or termination of the Agreement or any Tasking Order in accordance with 2(A) or 2(B) or the decision not to proceed in accordance with 2(C).

Appendix 3 to Schedule 3 (Price Summary)

Supplier price summary: To be completed by the supplier in support of a quotation provided in response to a for the requirement captured on the above Draft Tasking Order Form. Rates used shall be on accordance we provisions of Clauses 13-14 of Schedule 1.	n ITT vith the
1. To:	
	No.
Date of submission:	
In response to your request for a quotation reference FTS5/	
*The work can be undertaken and our detailed response is attached. □	
*We are unable to provide the resources/deliverables identified on this occasion.	
(* Check box as appropriate)	
Signed: Name: (Block Capitals) Date:	
2. Task title):	
3. Unique Reference Number:	
4. Start Date: Completion Date:	
5a. Quotation Broad Grade Hourly rate Hourly rate Reduction on No. of To Capability Area quoted at quoted for original ITT Hours No. ITT this task rate	tal
Journeys / Miles	d
Fall Motor Mileage £ (inc VAT) (max price per mile) Air	
Fail Motor Mileage (max price per mile) Air Sea	
Journeys / Miles Rail Motor Mileage £ (Inc VAT) Air Sea Estimated expenditure on: Unit cost Number of Night/Days	
Journeys / Miles Rail Motor Mileage (max price per mile) Air Sea Estimated expenditure on: Unit cost Number of Night/Days Accommodation	
Journeys / Miles Rail Motor Mileage £ (Inc VAT) Air Sea Estimated expenditure on: Unit cost Number of Night/Days	

E-I Other	Sub-contractor Price	and the same of th
5d.Other Costs	Sub-Contractor Details	
	Materials	
	Other (Please provide details below) Description	Cost
	Total Price	

Appendix 4 to Schedule 3 (Montreal Protocol Substances)

CFCs - Production of controlled CFCs has stopped.

CFC-11(trichlorofluoromethane)	CFC-211
CFC-12(dichlorodifluoromethane)	CFC-212
CFC-13	CFC-213
CFC-111	CFC-214
CFC-112	CFC-215
CFC-113 (trichlorotrifluoroethane)	CFC-216
CFC-114 (dichlorotetrafluoroethane)	CFC-217
CFC-115 (chloropentafluoroethane)	

The above substances are also used in blends: e.g. CFC-500 (CFC-12/HFC-152a) CFC-502 (CFC-115/HCFC-22).

Halons -	Production of controlled Halons has stopped.			
Halon-1211	(bromochlorodifluromethane - BFC)			
Halon-1301	(bromotrifluoromethane - BTM)			
Halon-2402				

HBFCs -	Production ha	s stopped.	
CHFBr ₂ C ₂ H ₂	2 F2 Br2	C ₃ HF ₄ Br ₃	C ₃ H ₃ F ₂ Br ₃
CHF2 BrC 2H2	₂ F ₃ Br	C ₃ HF ₅ Br ₂	C ₃ H ₃ F ₃ B _{r2}
CH ₂ FBrC ₂ H:	3 FBr2	C ₃ HF ₆ Br	C ₃ H ₃ F ₄ Br
	C ₂ H ₃ F ₂ Br	C ₃ H ₂ FBr ₅	C ₃ H ₄ FBr ₃
C ₂ HFBr ₄	C ₂ H ₄ FBr	C ₃ H ₂ F ₂ Br ₄	C ₃ H ₄ F ₂ Br ₂
C ₂ HF ₂ Br ₃	$(-1)^{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) = \frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \left(\frac{1}{n} \right) \right) \right) = \frac{1}{n} \left(1$	Ca H ₂ F ₃ Br ₃	C ₃ H ₄ F ₃ Br
C ₂ HF ₃ Br ₂	C ₃ HFBr ₆	C ₃ H ₂ F ₄ Br ₂	C ₃ H ₅ FBr ₂
C ₂ HF ₄ Br	C ₃ HF ₂ Br ₅	C ₃ H ₂ F ₅ Br	C ₃ H ₅ F ₂ Br
C ₂ H ₂ FBr ₃	C ₃ HF ₃ Br ₄	C ₃ H ₃ FB ₁₄	C ₃ H ₆ FBr

HCFCs - Production to be run down and phased out by 2015. Certain use controls apply.

		and the second s	
HCFC-21	HCFC-141	HCFC-225ca	HCFC-243
HCFC-22	HCFC-141b	HCFC-225cb	HCFC-244
HCFC-31	HCFC-142	HCFC-226	HCFC-251
HCFC-121	HCFC-142b	HCFC-231	HCFC-252
HCFC-122	HCFC-151	HCFC-232	HCFC-253
HCFC-123	HCFC-221	HCFC-233	HCFC-261
HCFC-124	HCFC-222	HCFC-234	HCFC-262
HCFC-131	HCFC-223	HCFC-235	HCFC-271
HCFC-132	HCFC-224	HCFC-241	
HCFC-133	HCFC-225	HCFC-242	

CARBON TETRACHLORIDE (CCI 4) - Production has stopped. 1,1,1-TRICHLOROETHANE (C₂ H₃ Cl ₃) - Production has stopped. METHYL BROMIDE (CH₃Br) - Production limits apply.