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CAMEROON

FINAL REPORT
ON

SURVEY OF MDI SECTOR AND REFRIGERATION
SERVICE SECTOR FOR THE TERMINAL ODS
PHASE OUT MANAGEMENT PLAN – CONTRACT No.
16001240

SURVEY ON METERED DOSE INHALERS (MDI) IN CAMEROON

NUMBER OF PATIENTS USING MDI: 1 500 000

DISTRIBUTION CHANNEL:

- IMPORTERS: LABOREX, CENAME
- DISTRIBUTORS :
 - CAMPHARM,
 - UC PHARM,
 - PHARMACAM,
 - BIOPHARM,
 - PHARM S.A,
 - PHARMACIES (about 500)
 - HOSPITALS (about 300)

NUMBER OF PHARMACIES: 500

TOTAL NUMBER OF DISTRIBUTORS SURVEYED : 800

TABLE OF SUMMARY

2003 1095	Manufacturers	Propellant	MDI units imported /year			
			2003	2004	2005	2006
Beclomethasone	Novartis	CFC11, CFC12	1095	1350	1850	2240
Beclomethasone	Glaxosmithkline	HFC	881	793	1151	1620
Salbutamol	Glaxosmithkline	Norflurane	977	778	2051	2380
Salbutamol	Glaxosmithkline	HFA, HFC	299	364	701	1010
Salbutamol	Norton Waterford Ltd	CFC11, CFC12	2500	1798	1975	2024
Salbutamol	Aldo-Union	ND	-	-	3	5
Fluticasone	Glaxosmithkline	HFA	1371	1741	3101	3650
Budesonide	Astra Medical	CFC	938	845	910	1200
Budesonide	Astra zeneca	ND	-	-	-	-
Beclomethasone	Aldo-Union	Dipropionate	800	100	311	452

Terbuteline	Astra zeneca	ND	-	-		-
Bricanyl	3M pharmaceuticals	ND	8	3	5	7
Secretide	Glaxosmithkline	Propinate	-	-	-	-
Lidocaine	Orgo	Chlorure de benzal konium	3	3	5	7

Survey of refrigeration service sector in Cameroon

The refrigeration service sector in Cameroon can be classified into three categories as follows:

Class 1: These are formal Service shops with at least personnel holding an engineering degree in refrigeration. There are about 80 service shops that fall in this category, and a work force of least 30 to 60 refrigeration technicians. Such structures have administrative units and are present in certain regions. These shops undertake activities in installation works, maintenance and conditioning of air conditioners, cold stores etc.

Class 2: these are semi formal service shops with at least a person holding a higher diploma in refrigeration. There are about 120 shops under this category and have at least 10 to 15 technicians. They have a lesser administrative structure and undertake activities such as maintenance of industrial and domestic cooling appliances.

Class 3: These are service shops that operate informally with a work force not formally trained. There are about 1495 of these service shops that have 1 to 5 person that work in them. They undertake activities in maintenance of domestic refrigeration, air conditioners and freezers.

In all there are about 1720 service shops and about 5000 service technicians in Cameroon. There are 25 training institutions that offer courses in refrigeration. Several NGOs and two refrigeration associations in Cameroon namely:

Association des Frigoristes du Cameroun (AFRICAM)
Association Camerounaise des Techniciens (ACTECH)

Government agencies relevant to ODS issues include :

Ministries of: Industry, Mines and Technological development, External Relations, Commerce, Agriculture, Scientific Research, Transport, SGS, Water and Energy.

Table of summary for refrigeration servicing sector updated list

Name of workshop	Contact address	# Of Employees	# Of equipment maintained	Total CFC-11 and 12 Consumption	Type Of Compressor
TAVIC Electrical Enterprise	OBEN Victor Takor, Limbe	05	78	28.5	REFCO. Lauderdale
Depannage et Mentenance	Donatus Awbuike Ba'ssam	02	150	22.5	As above
Ets WAFO	Wafo Ndonga Jules Ba'ssam	06	325	48.7	As above
Ets Defo et Froid	Defo Blaise, Ba'ssam	02	170	22.5	As above
Ets SIMI	SiKA Michel, Ba'ssam	01	200	30	As above
Ets Universel Froid	FOKOU Rodrigue Ba'ssam	02	240	36	As above
Ets FOIDCAM	NONO Serge, Ba'ssam	01	230	33	As above
GIC IGLOOCAM	David DJOKAM, Ba'ssam	02	270	39	As above
Equatorial FROID/CHAUD	MBE Appolinaire	02	240	36	As above
CAM FROID	Jean René, Bafoussam	02	220	33	As above
Calvin Froid	CALVIN Gendarmerie Bafoussam	04	160	24	As above
Ets CLINQUE FROID	Robert KAM, Bafoussam	03	240	36	As above
Ets KUETCH	CHEDJOU Samuel, Ba'ssam	03	400	1170	As above
Ets SONFROID et CHAUD	SONKWEKI Victor, Limbe	01	170	25.5	As above
Ets Technique Froid	Michel NGUIFO, Rue sommet, Famla Bafoussam	10	440	66	Tabo. Bosh. Aspera. V. Hermetique. Danfoss
Group FOTSO Electrical Enterprise	AKWE Blaise, Tiko	01	500	360	As above
JAMES Electrical W'shop	BISSONG Primus B., Tiko	03	300	675	As above

Ets EDNING/complexe des Pagenieurs	Engelbert NJIKE N.. Tsinga-Y'dé	05	970	1833	As above
Ets DAHY	DAJE Hypolite. Mendong-Y'dé	03	315	806	As above
GPE FOTSING	APASSO. Melen	01	120	390	ZENUSI. ZAN
Cameroon Fine Enterprise	Martin E. Nkongho. Limbe	06	380	1250	As above
Ets BRAISO	Paul TCHOFO. Madagascar-Y'dé	02	124	585	As above
Ets TNT	TANTCHOU NGASSA. Madagascar-Y'dé	02	93	715	As above
Ets ELETRA Plus	SATENANG François. Y'dé	02	165	910	As above
GPE Eric Service	NANA Alain. Madagascar- Y'dé	02	140	390	As above
Ets PROLEC CAM	NONKAM Joël. Biyemassi-Y'dé	05	320	1105	As above
Ets Steinzel	TADJOU Etienne. Etoug Ebe-Y'dé	01	240	845	As above
Froid Régional	LONTSI KUETE Collince. Y'dé	03	215	780	As above
COFRELEC		04	215	780	As above
Ets TCHUISSEU	TCHUISSEU J.Patrice. Y'dé	05	915	1430	As above
Ets TSAGANG	TSAGNANG ACHILE. Y'dé	02	174	650	As above
Ets TAB'S	TABOU Joseph. Y'dé	02	175	455	As above
Ets Oriental Froid	FOUELEFACK Albert. Y'dé	05	327	975	As above
Ets SOGEM	DJEUDJEU MAWAMBA. Y'dé	05	120	390	As above
Ets NDOGMO	NDOGMO Georges. Y'dé	02	240	780	As above
FROID Moderne	TAKEU Moïse. Y'dé	02	185	455	As above
Ets COMPAC	TCHUENTE KAMSI J..Y'dé	05	425	1170	As above+LECHY
Ets Super Import/Export	Odile NGOUNKEU.	02	165	520	As above

Ets RICO	Richard HASAN. Y'dé	02	168	845	As above
Ets TABCOM	NGONSO Berthaud. Y'dé	03	91	780	As above
Ets Froid et Chaud	ONANA Justin. Y'dé	02	174	845	As above
Ets GARGA	GARGA. Y'dé	02	190	910	As above
Globe Affaire I/E	FOKO. Y'dé	01	95	325	As above
Ets CLIMATOI	FONE Denis	01	154	715	AS above
PEA Electronic	FOKOU Didier	03	181	845	As above
AIR LIQUIDE	TSEGA. Y'dé	10	299		
Ets KOUTCH'S Service	KOUETCHE	05	270	845	As above
Ets SAFCA	TAGOU Simon	20	285	806	As above
Ets-TECHNICAM	FOZUH John. Y'dé	10	220	624	As above
Ets PEPIC	TSOPBENG Appolinaire. Y'dé	03	225	910	As above
Ets CAFEC	BOVING Gabriel. Y'dé	02	185	975	As above
Ets SED	TCHOUPE Bernard. Y'dé	16	1498	680.76	As above
Ets ITS-Cameroun	NDEME ALPHONSE-Y'de	12	3740	1190	As above
La GLE D'Electronique	WANSI Pierre. Y'dé	10	195	985	As above
FAEM SA	BOULOULOGO, D'la	100			As above
Ets SIM FROID et Clim	SIMBEUHO ABEL. D'la	04			As above
Ets NICOLAS Froid	DONFACK Nicolan. D'la	02			As above
Ets DEDE Froid	Roger NANFACK. D'la	03			As above
Ets Technique Avancée	KOUAN NDJOKO H.. D'la	01			As above
Ets MBOM	MBOM Nicolas. D'la	01			As above
Ets MBAKE et FILs	MBAKE. D'la	02			As above
Ets International Froid	ZAMBOU David. D'la	03			As above
Ets NOUNO Francis et Clim	NOUNO Francis	03			As above

	Y'dé				
Ets EURO BAZAR	FOHOM Claude. Y'dé	02	250	780	As above
Ets RKI	Isidore NGUIAKAM. Y'dé	06	550	1235	As above
Ets HASAN	EL ADJ HASAN. Y'dé	03	144	650	As above
Ets ATM	Angèle NGWONGO. Y'dé	03	215	585	As above
Ets NANA	Christine NANA. Y'dé	02	250	975	As above
Suprette la FOI	KENTIO serges. Y'dé	01	302		As above
Ets LIEPAT	KIEGAING Patrice. Y'dé	02	168	780	As above
Ets KEN'S Technique	KENGNE Ernest. Y'dé	02	262	1105	As above
Ets ETEDE FRACHA	NANGMO J.P. Jonathan. Y'dé	02	240	780	As above
Ets KAT	KAT Alain	05	150	650	As above
Ets François import-Export	TCHEGUE François. Y'dé	04	200	715	As above
Ets FETHO Froid	BETHO Roger. Y'dé	10	405	1105	As above
IBN Froid et Clim	NDENGUE Robert. Y'dé	04	205	845	As above
Progrès Froid	FOUAFACK Anatole. Y'dé	02	295	910	As above
Ets PABLO	PABLO Alain. Y'dé	02	145	780	As above
Ets YANNICK	NANA Yannick. Y'dé	02	130	585	As above
Ets BELEP'S	BELEPS Mathieu. Y'dé	03	332	975	As above
Ets PATOU Froid- Clim.	TEFFO Francis. Y'dé	03	195	910	As above
Ets NESTO	MOUAFO Nestor. Y'dé	02	231	975	As above
AMSTEC	TEUFACK Simplice. Y'dé	02	188	845	As above
GIC CIEL Import/Export	CHEDJOU Eric. Y'dé	04	205	585	As above
Ets KAMG' S	KAMGNE Félix. Y'dé	02	105	845	As above
Ets Pascal	Pascal FOTSING. Y'dé	03	205	910	As above

Ets Archipel Froid	AYEMFACK	03			As above
Ets VGC	NGOU NIKANORE	02			As above
Ets NKWA et Froid	NKWA George.D'la	02			As above
Ets CAFREM	SIGNING Francis Douala	04			As above
Ets ATEGERCAM	AGBORMBUOH EGBE. Y'dé	06	127.5	4.5	NECHI. ASPERA..
Ets CESAR Froid	SOUFO César Douala	02	5602	252	As above
Ets FROPLEC	EYOUM Emmanu Douala	30	28214	2860	As above
Ets FROIDCAM	TONNANG Mathu D'la	nil	1249	49	As above
Ets EGET	Tchuinmogne Roger D'la	15	9162	353	As above
Ets IFC	KOMMOGNE MOPO Guy. B. D'la	05	2631	453	As above
Ets CCA Froid	TEUMENA Simplice D'la	02	2178	405	As above
Ets ALEX Electro- Plus	FOKOU Alexis D'la	03	1659	294	As above
Ets CF-Clim et Froid	SHINWIK Pius AFUH- D'la	03	3990	505	As above
Ets BEL AIR	Jacob BAGOUNA- D'la	15	43125	10535	As above
Ets Qualité de la Vie	MOUTONO ABOUME Aurélien- D'la	08	25755	6107	As above
Ets ETC	YAGNAN Simon	10	1095	460	As above

	D'la				
Ets RENO-MECA Froid	SCHURICK Wolter- D'la	05	8760	2170	As above
Ets NGUENAKO	NGUENAKO Lucas- Douala	20	2069	713	As above
Ets LIFROICAM	ASSALA Gabriel- Douala	27	6581	3476	As above
Ets NGWA et Fils	FON NGWA Walters- D'la	08	2766	72	As above
Ets ZERECH Froid	TCHOKOTE Guy Blaise D'la	05	8119	975	As above
Ets FOKOU Froid/Climatisation	FOKOU Blaise Désiré D'la	05	2700	1300	As above
Ets PACHA Froid et Climatisation	KAMDEM Clovis D'la	03	1106	187.5	As above
Ets EMMA Froid et Clim.	TOFFEU Emmanuel - D'la	05	2470	70	As above
Ets CLIMAST et Fils	ASSONGZIA TATANFACK H. D'la	08	420	85	As above
Ets THERMO-Froid Center	BEUKANTOE Daniel- D'la	01	550	99	As above
NGAKO SARL	NGAKO Joseph D'la.	06	6690	390	As above
Ets AFC (AIME-FROID/CLIM)	FEUNEOU Sésar- D'la.	40	21435	380	As above
Ets MOHAMED Froid/CLIM	KUE KANDEM Raphaël Emile- D'la	30	1512	270	As above
EtsEts EFC	NJIWA David- D'la	35	97385	5710	As above
Ets CFA	KEMOGNE Pascal- D'la	05	2368	590	As above
Ets Le PRINTEMPS	MBUNDA Fabrice- D'la	22	6426	781	As above

Ets FCC	WAMBO Benjamin- D'la	25	6317	125	As above
Ets LIHEP	SOPP SOPP- D'la	75	72625	4220	As above
Ets GFEI-T	TSAMO Pascal- D'la	05	1928	322	As above
Ets JEPSIE	SIETCHOUE Jean-Paul- D'la	05	1806	316	As above
Ets Neptune Froid et CH plus Clim	CHOKOUALIFU Serge Alain-D'la	10	2507	425	As above
Ets Maintenance- Froid et clim-Elect.	KAMDEM Solomon- D'la	03	2384	391	As above
Ets OUEST Froid	CHEUPOUC Gaston- D'la	05	1871	331	As above
Ets TECHNO- CLIM	YOKONO Douala	47	38189	185	As above
Ets FROID- MENUS	KENGNE	03	25713	273	As above
Ets FROIDCAM	Stéphane BENTEO- D'la	80	79585	11810	As above
Ets FROID INDUSTRIEL	DEMANOU- Douala	02	2646	437	As above
Ets ZEBOZE T. J.P	Zébozé T. Jean- Paul- D'la	05	2347	399	As above
Ets AFT	FOTSO Jean De DIEU-D'la	05	290	1010	As above
Ets NEMALIEU FROID	NEMALIEU Yde	02	220	21.8	As above
LES TALESS FROID et COMPAGNIE	TAMEGHE SIGNIE Yde	06	540	39.8	As above
ETS JOHNSON R.	JOHNSON	03	197	29.1	As above
ETS TCHOUBE	Bernard TCHOUBE	07	429.5	38.9	As above

ETS AGBORMBUOH	AGBOR John Kumba	04	54	11.2	As above
ETS WAMBE	Henri WAMBE Limbe	05	67	12.4	As above
ETS TISSEU	Tisseu Isaac Yde	07	129	29	As above
ETS KENTO	MINKENG Samuel	07	64	15.5	As above
ETS SANDJO	SANDJO	06	120	28	As above
ETS DIBATE	Mimao Theodore Dla	05	32	12.5	As above
ETS BAKONGO	Musamgo Jean Edea	03	69	22.4	As above
ETS KENFACK	Donou Chrisantus Dschang	03	98	16.7	As above
ETS VOUFFO	Etienne Vouffo N'samba	04	165	21	As above
ETS EBOUMBOU	DIBATO Innocent Ebolowa	09	489	32.6	As above
ETS SOUFFO	SOUFFO Jean Georges Bamenda	15	682	52.4	As above
ETS OBOUNOU	Bruno OBOUNOU Douala	21	987	56.2	As above
ETS MOKOM	MOKOM Jean Hilaire Sangmelima	09	78	14.2	As above
ETS NZALLE	PIERRE NONO KOM Bamenda	17	330	19.8	As above
ETS NKENGNE	Kengne Samuel Buea	07	82	24.9	As above