

CHAPTER 2 THE CME FAMILY

The Canadian Military Engineer Family

0201. The Canadian Military Engineers (CME) include all Regular and Reserve Force personnel of the Military Engineering Branch of the CAF. These members are employed in the military occupations listed at Annex A. The much broader CME Family, however, also includes former members, civilians serving within the military engineering community, CME association members and Military Engineer Cadet Corps and their Cadet Instructor Cadre List officers. The CME Family components are depicted at Figure 2-1.

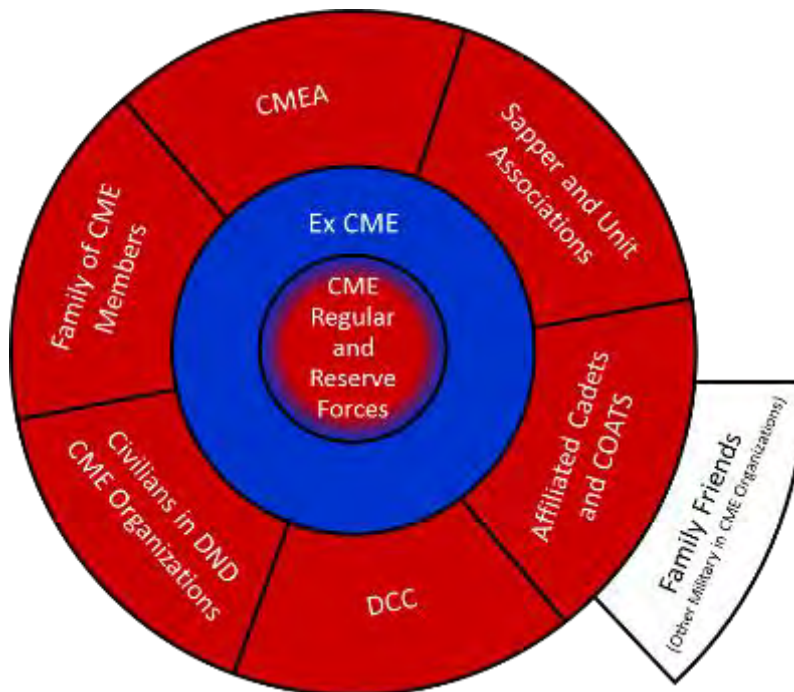


Figure 2-1 The CME Family

0202. These family members have the common objective of serving Canada by supporting troops in combat, providing infrastructure support, geomatics support, firefighting and aircraft crash rescue, and environmental services. Members in uniform serve with the Army, the Royal Canadian Air Force, and the Royal Canadian Navy to further the missions of CAF. Civilian members of the Department of National Defence and Defence Construction Canada primarily support the CAF at home and broaden the knowledge base of the military engineers with their extensive expertise. Association members gain support for the CME through direct contact with government and by promoting CME accomplishments and goals in the private sector and to the public. Finally, Cadets are indeed our future and the Cadet program is an outstanding way to involve and educate young Canadians on the contributions they can make as Military Engineers.

CME Units

0203. Engineers (both military and civilian) serve at every Canadian Armed Forces establishment and are essential team members on every Canadian deployment. A list of the principal engineer units is at Annex B. These units include:

- a. Combat Engineer units that provide mobility, counter-mobility, and survivability to friendly forces on the battlefield and deny the same to the enemy;
- b. Construction Engineer units that provide the capability to establish operational air bases in remote areas and support the conduct of sustained operations;
- c. The Canadian Forces Real Property Operations Group that provides and maintains infrastructure and utilities support to military installations;
- d. Fire, Aircraft Crash and Rescue units that provide structural fire prevention, firefighting and aircraft crash rescue support to the CAF;
- e. an Engineering Support Unit (1 ESU) that provides deployable specialist military engineering services to support the CAF and other government departments anywhere in the world;
- f. a Defence Geomatics unit [Mapping and Charting Establishment (MCE)] that provides maps and geographic intelligence to Canadian and Allied Forces; and
- g. three schools – the Canadian Forces School of Military Engineering (CFSME), the Canadian Forces Fire and CBRN Academy (CFFCA) and the Canadian Forces School of Military Mapping (CFSMM) – that are each responsible for training individuals of all ranks in their assigned military occupation classifications.

Appointments

0204. **Colonel in Chief.** Royalty traditionally holds the Colonel-in-Chief appointment and this individual acts as a patron. His Majesty King George VI became the first Colonel-in-Chief of the RCE and the Royal Engineers on 18 February 1938. Her Majesty Queen Elizabeth II then became Colonel-in-Chief when she acceded to the throne and she held this appointment until the disbandment of the RCE on 1 February 1968. In conjunction with her Silver Jubilee, Her Majesty accepted the new appointment of Colonel-in-Chief of the Canadian Forces Military Engineers Branch¹ on 11 June 1977. This was a particular honour since it was the only appointment accepted on that occasion.

0205. **Colonel Commandant.** The first Colonel Commandant in the Canadian Army was appointed for the Artillery in January 1925 and in December 1947 each corps of the Army was permitted to appoint a Colonel Commandant. This honorary appointment is normally for a period of three years and is bestowed upon a retired senior officer who has served with distinction. The title of Colonel is symbolic, being the highest rank within the historic regimental system and thus the senior position having direct contact with junior ranks. An appointee must have held the rank of colonel or higher and, although a Colonel Commandant may have held higher rank, they assume the insignia of colonel with pride. The Military Engineers' first Colonel Commandant was Brigadier J.L. Melville, CBE, MC, ED, CD, who was appointed in 1948 when the appointment was referred to as "*Honorary Colonel Commandant.*" A complete list of former Colonels Commandant is found at Annex C.

0206. The Colonel Commandant should be treated as a "General Officer" or "Flag Officer" when visiting CME units. In speaking to or referring to an honorary appointee who has held higher rank, using the former rank is customary (e.g. a Brigadier General (Retired) serving as Colonel Commandant would be addressed as "Brigadier General *Holdfast.*" The Colonel Commandant wears colonel rank insignia with the "Engineer" corps identifier (the Colonel Commandant is the only colonel authorized to wear this corps identifier). The exception to this rule is mess dress where the former rank insignia is worn at all times.

¹ The Canadian Forces Military Engineers Branch remains the official designation of the CME due to this appointment. Today, the Branch is collectively referred to as the CME and work is ongoing to have the official designation changed.

0207. The Colonel Commandant is nominated by committee which consists of the Chief Military Engineer, the Senior Serving Engineer and the Branch Advisor. Past Colonels Commandant may also be included. The Minister of National Defence must authorize the appointment on recommendation of the Branch Advisor. The official change of appointment ceremony is generally held in conjunction with another significant CME Family activity so that CME representatives from across the country are gathered together. The ceremony is normally held in conjunction with a parade. Details on the official CME Colonel Commandant Change of Appointment Ceremony and the CME Colonel Commandant Oath of Office are at Annex C.

0208. The Colonel Commandant is responsible for:

- a. fostering team spirit in conjunction with the CME Branch Advisor and CME Chief Warrant Officer;
- b. championing the Canadian Military Engineers within the Canadian Armed Forces;
- c. informing the Colonel-in-Chief of significant CME activities through her private secretary;
- d. visiting and liaising with CME Regular and Reserve Force units, affiliated cadet organizations, other honorary appointees in CME units, CME associations, and related allied organizations and bringing related issues to the chain of command for consideration;
- e. selecting persons to attend memorial activities under Department of Veterans Affairs sponsorship;
- f. awarding major CME trophies;
- g. acting for the CME by extending greetings and best wishes to other branches and regiments at special occasions;
- h. advising National Defence Headquarters on matters of significance to the CME;
- i. maintaining liaison with professional engineering associations to foster interest among civilian engineers and technologists in military aspects of the profession;
- j. helping maintain uniformity of CME dress and customs;
- k. contributing to the Branch Council and the National Council of the Canadian Military Engineers Association;
- l. attending Conference of Defence Associations meetings as an observer; and,
- m. acting as honorary president of the Military Engineer Museum Association of Canada.

0209. **Honorary Colonels and Lieutenant-Colonels.** The first such honorary appointment seems to have been in November 1895 to the 13th Battalion. In October 1897, authorization was given for each regiment of artillery, cavalry and infantry to have such an appointment. Within the Engineers, honorary Lieutenant-Colonels of District Engineers were first appointed in 1937. Regimental size units the Reserve Force can have both an honorary colonel and an honorary lieutenant-colonel, while independent squadron size units have an honorary lieutenant-colonel. While not a normal practice, Regular Force units can have honorary appointments as well.

0210. The functions of the unit honorary appointments are similar to those of the Colonel Commandant but focused at the unit level. Functions include; promoting esprit de corps in the unit, advising the Commanding Officer, advocating for the unit in the community, custodian of unit heritage, maintaining liaison with Regular and Reserve Force components of the CME, and

advising the Colonel Commandant and Branch Advisor on matters of significance to the unit. Unlike the Colonel Commandant, these honorary appointments do not have to be selected from retired officers. They may be prominent or influential community members who are interested in supporting engineers and the military as a whole.

0211. Senior officers of the unit nominate individuals for these appointments through the chain of command. The Minister of National Defence then authorizes the honorary positions of the recommended prominent Canadians for a period of three years.

0212. **Chief Military Engineer**. The Chief Military Engineer is the highest-ranking officer with a military engineering background as designated by the CDS. The current practice is to designate the Chief of Staff for the Assistant Deputy Minister for Infrastructure and Environment (ADM(IE)), the position normally filled by a Military Engineer, as the Chief Military Engineer. The Chief Military Engineer is attuned to what is happening at the highest levels of the Department and is responsible for promoting the CME and for determining the impact of major policy decisions on the CME. The responsibilities of Chief Military Engineer include but are not limited to:

- a. providing advice as required to the Chief of Defence Staff and the chain of command on military engineering;
- b. attending the Chief of Defence Staff Command Council and providing military engineering advice to its membership as required;
- c. maintaining 'situation awareness' of military engineering issues emerging from Force Employment, and Force Generation;
- d. contributing to the capture of military engineering related lessons observed and supporting the Chief of Defence Staff and the chain of command to turn them into lessons learned;
- e. supporting the Chief of Force Development and the principal force generators with the development of military engineering related capabilities as key enablers to the current and future force employment concepts;
- f. being the steward of the CME profession and, as such, chair the CME Branch Council and oversee the Branch issues accordingly with the help of the CME Branch Advisor/Deputy CME;
- g. coordinating military engineering human resources management functions with the CME Branch Advisor, the CME Branch CWO, and the two Management Authority representatives, i.e. the CA Director RCE and RCAF CE/FF Occupation Advisor;
- h. coordinating the interaction of CAF military engineering representation with NATO organizations and Allied nations; and
- i. representing the CAF at the NATO Senior Joint Engineer Conference.

0213. The Chief Military Engineer may be called upon to fulfil ceremonial obligations when the CME Colonel Commandant or the CME Branch Advisor are unable to attend official functions. A list of past Chief Military Engineers and Senior Serving Engineers is at Annex D.

0214. **Branch Advisor**. The CME Branch Advisor supports the Chief Military Engineer in all matters pertaining to CME personnel and the overall health of the CME family. The position of CME Branch Advisor is a secondary duty appointed under the authority of the Commander – Military Personnel Command on the recommendation of the Chief Military Engineer. A list of former Branch Advisors is at Annex E. The CME Branch Advisor is responsible to:

- a. serve as the CME Branch focal point for issues of ethos, esprit de corps, and overall professional identity;
- b. maintain awareness of personnel issues within the CME Branch, keeping the Chief Military Engineer appraised, and coordinating their resolution;
- c. coordinate military engineer personnel development and succession planning for senior military engineer appointments with the CA Director RCE and RCAF CE/FF Occupation Advisor;
- d. plan the succession processes for CME Colonel Commandant and CME Chief Warrant Officer, providing recommended candidates for Chief Military Engineer approval;
- e. coordinate CME Branch matters pertaining to events, honours and awards, representation, heritage, history, protocols, and tradition;
- f. coordinate support to CME Branch Council;
- g. when necessary, engage with Chief Military Personnel senior staff to represent strategic concerns of the CME Branch; and
- h. coordinate the preparation of an annual draft report on the CME Branch for Chief Military Engineer approval.

0215. The function of CME Branch Advisor may, or may not, be combined with that of Deputy Chief Military Engineer.

0216. **CME Chief Warrant Officer.** The highest non-commissioned appointment of the CME carries both honorary and functional responsibilities. The Branch Council selects the CME Chief Warrant Officer from nominees across the breadth of the CME trades. By custom, the CME Chief Warrant Officer has broad access to members of the CME Family. A list of past CME CWOs is located at Annex F. The CME Branch CWO is the advisor to the Chief Military Engineer on all matters affecting the CME Branch non-commissioned personnel. The CME Branch CWO is responsible to:

- a. advise on matters of CME Branch dress, discipline, deportment, and ceremony;
- b. advise on CME non-commissioned member career issues;
- c. advise on matters affecting the conditions of service, professional development, training, employment, unity, esprit de corps, and morale of CME non-commissioned members;
- d. plan/organize promotion, change of appointment, and honours and awards ceremonies;
- e. advise on the development, and selection, of CME personnel for senior Branch non-commissioned member appointments;
- f. represent the CME Branch and maintain liaison/communication with CWOs in CAF senior appointments/key positions;
- g. maintain liaison/communication/coordination with CME CWOs and MWOs in the CA, RCAF, CFINTCOM, and ADM(IE), providing advice and support to the respective occupational authorities/advisers;
- h. lead and coordinate the CME Branch CWO Working Group, sharing information, seeking consultation, consolidating feedback, and developing recommendations on all matters affecting CME non-commissioned members; and

- i. as required, accompany the Chief Military Engineer, Colonel Commandant, and/or Branch Advisor on visits/events.

0217. **CME Adjutant.** The Adjutant is a CME officer who holds the major responsibility of maintaining communications within the CME. All pertinent information flows through this office and is disseminated to the appropriate CME members or organizations by the Adjutant. All CME issues are filtered through the Adjutant and the Adjutant is completely accessible to all members of the CME Family, including retired members and civilians. The Adjutant is also the staff officer to the Branch Advisor and acts as the executive assistant to the Colonel Commandant by liaising with hosting units and ensuring that there is adequate visibility throughout the CME. The Adjutant is secretary to the Branch Council, and is generally involved with CME associations such as the Canadian Military Engineers Association.

Councils and Working Groups

0218. **Engineer Senate.** The Engineer Senate provides advice to the Branch Council on matters concerning the future of the CME, its well-being, development, and place within the CAF. It also promotes the interests of the CME at senior military and government levels. The Senate consists of the current and former Colonels Commandant and retired Engineer general officers and flag officers. By virtue of affiliations and contacts made by members of the Senate both during and after their military careers, the potential for influence on behalf of the CME is significant. Members elect a chair for a two-year term and meet formally when requested by the Branch Council.

0219. **CME Branch Council.** The CME Branch Council provides advice to the Chief Military Engineer, formulates and approves CME policy, monitors performance and conditions of service, and promotes the welfare, professionalism and esprit de corps of the CME Family. The Branch Council is composed of all Regular and Reserve colonels, generals and flag officers with a CME background. It also includes the Colonel Commandant, the National President of the Canadian Military Engineers Association and the CME Chief Warrant Officer (ex-officio). The Chief Military Engineer chairs the Council that meets as required.

0220. **CME Branch Executive.** The CME Branch Executive provides situational awareness on Departmental and CAF strategic initiatives affecting the CME. Engineer initiatives are discussed and staff priorities, direction and guidance are issued to senior Branch representatives to ensure effective planning, coordination and execution of these initiatives. The executive will also review and endorse doctrine, policy, honours and endorse candidates for key branch positions.

0221. **CME CWO Working Group.** The purpose of the CME Chief Warrant Officer Working Group is to advise the Branch Advisor on any matters affecting the welfare, morale, employment, and conditions of service of CME members, with particular emphasis on the careers of CME NCMs. The working group meets annually and comprises both Regular and Reserve Chief Warrant Officers to represent all components of the CME Family.

Associations

0222. **The Canadian Military Engineers Association.** The Canadian Military Engineers Association (CMEA) was activated in November 2000 to provide a focal point for support to the CME Family. The CMEA recruits members and implements a series of programs, services and activities at the local and national level. The Association strives to further the effectiveness of Canada's military engineering capability and the well-being of Canadian Military Engineers through the following objectives:

- a. enhancing the effectiveness of Canada's military engineering capability, promoting excellence in its development, and fostering an interest in all aspects of military engineering;

- b. encouraging effective communication and close association among all serving and former members of the CME, its predecessors, and its associated civilians and organizations;
- c. facilitating the well-being of all Association members and responding promptly to assist the welfare of members and their families as needed;
- d. applying the talents of Canadian Military Engineers to areas in need of development in Canada or around the world;
- e. preserving the history of Canada's military engineers, honouring their customs, traditions and heritage, and commemorating their achievements and sacrifice;
- f. enhancing the position of the CME within the Canadian Armed Forces (CAF) and, accordingly, enhancing opportunities for members of the CME within both the CAF and Canadian society in general; and
- g. cooperating with other organizations that address Canada's strategic and national security interests and advising the Government of Canada on matters that involve military engineering.

0223. The CMEA is committed to assisting in quality of life initiatives and will offer and provide assistance to families as requested and as appropriate to improve their circumstances. The CMEA will provide all new members of the Branch with their CME uniform accoutrements at no cost to them and provide the CME Branch with memorial pins for family members in honour of our fallen soldiers. The CMEA Bursary Program provides funds annually to successful applicants for post-secondary education. The CMEA also provides funding assistance in support of Engineer sporting events such as the Fallen Sappers Memorial Golf Tournament, the CME Pigspiel, the Atlantic, Western, and Ontario Beaver Cup Hockey Tournaments, and others. The CMEA will provide financial support annually to Engineer birthday celebrations and provide Engineer flags to deployed units and at ceremonies on the Highway of Heroes in honour of our fallen. The association will also provide financial and emotional support to members and their families in times of crisis and provide clothing to our wounded hospitalized overseas. CMEA membership benefits include lower cost home and auto insurance to members, and the Association provides direct financial support to the CME Branch Advisor's Office and the CME Colonel Commandant.

0224. **Other CME Associations.** There is a network of fraternal, veterans and retired CME member associations comprising several thousand members. The associations are composed of Military Engineers of all ranks and are, for the most part, fraternal in nature and many are organized by unit or other commonalities. These CME organizations are instrumental in preserving the fraternal bond between members, increasing public awareness of military engineering accomplishments, and in fundraising for the museum and other CME projects. Because all members do not reside in the same geographic area, many only hold reunions annually but otherwise rely upon communications to maintain the bonds. A list of these associations is at Annex G.

0225. **Professional Engineer and Other Associations.** CME members belong to more than one profession. The profession of arms is the first and others include the professions of engineering, firefighting, and geomatics. Proficiency in the first profession is assured through the training and education provided by the military, and eligibility in other professions is established through accreditation and recognition by statutory provincial engineering and technical associations as well as other national and international associations of the various professions. It is a CME policy to encourage and strengthen ties with provincial, national and international military and civilian associations. CME members are encouraged to participate in

the various civilian professional and technical organizations that exist, such as the Professional Engineers, the Society of Civil Engineers, the Society of Mechanical Engineers and Certified Engineering Technologists, the Society of Fire Protection Engineers and the Canadian Institute of Geomatics. Membership in these organizations increases the visibility of military engineering and encourages a technical dialogue between military engineers and their civilian counterparts. CME members also benefit greatly from the professional development activities sponsored by these organizations.

CME Museum

0226. The CME Museum collects, preserves, interprets and exhibits artefacts and documents of the CME and its preceding Corps and units to increase public knowledge and understanding of the work of the CME within and outside Canada and to promote a sense of belonging to the CME community for the newest generations of Military Engineers. In addition to the exhibition gallery, the museum operates a library and an archive and is open to the general public.

0227. The CME Museum was established as the RCE Museum at Camp Chilliwack, BC on 16 July 1956 and opened to the public on 11 May 1957. On 13 October 1972, the museum was renamed The Canadian Military Engineers Museum to reflect the creation of the CME upon unification of the CAF. The museum is an accredited museum of the Canadian Forces Museum System and is one of its oldest members.

0228. With the closure of CFB Chilliwack in 1997, the majority of the museum collection was relocated to CFB Gagetown, NB. The museum is housed in and under the care of CFSME in the Mitchell Building. In addition to the exhibition galleries, artefacts are exhibited throughout the Mitchell Building and adjacent grounds so that Engineer students and staff are surrounded by their history. Engineers develop a sense of purpose and esprit de corps when walking through the hallways of the Mitchell Building under the watchful eyes of past engineers. As part of the indoctrination of junior courses at the school, each course receives instruction in branch culture and heritage, including a tour of the museum.

0229. The CME Museum's national mandate is reflected in its diverse collection of military artefacts representing Army, Air Force and Navy engineering from coast to coast and in every major conflict of the twentieth century. The exhibits interpret the work of military engineers from the earliest settlement of Europeans in what is now Canada through prominent engineering feats that contributed to the formation of Canada, operations during both World Wars, the Korean War, peacekeeping and other more recent operations.

0230. The museum features a large number of artefacts significant to CME history. The Victoria Cross awarded to Captain Coulson Norman Mitchell of the 4th Canadian Engineer Battalion, as the result of his actions near Cambrai during the First World War is held by the museum and is exhibited on key branch occasions. At other times, a copy of the Victoria Cross is on exhibit as part of the C.N. Mitchell, VC exhibit. A small fine art collection is highlighted by a charcoal sketch of a military engineer by Fred Varley, a member of the Group of Seven artists, and two significant works by Orville Fisher and Paul Goranson in 1940 before they became War Artists. However, this is only a very small selection of the museum's diverse and rich heritage as there are hundreds of artefacts on exhibit and others held in reserve for educational and research purposes.



Figure 2-2 Medals of LCol Coulson Norman Mitchell, VC, MC

0231. A large collection of vehicles and equipment is held by the museum as well as an

extensive collection of engineering tools, equipment, uniforms and memorabilia. The library and archives hold both published and unpublished materials and a significant set of military engineering training documents and manuals and older RCE and CE Corps records including war diaries of engineer units of the Second World War and Korea.

0232. Exhibits abound throughout the school halls. A bust statue of Lieutenant Colonel Mitchell, VC, greets visitors and staff at the entrance to the School. Portraits of significant Canadian Military Engineers, the Rolls of Honour for the twentieth century and other monuments created by Canadian Military Engineers commemorate our fallen. Trophies, landmine clearance equipment, mapping and charting equipment are on display and other themed subjects are found in jewel case exhibits. The unit plaques created under Corps orders at the close of the Second World War are ranged through the Holdfast Boulevard corridor that leads to the Remembrance Lane hallway where the museum is located.



Figure 2-3 The Gibraltar Key

0233. The majority of military documents and unit histories are regularly collected directly from CME units to ensure the preservation of their history and the museum maintains an open funds for each serving unit to deposit documents and artefacts. The museum encourages units to send it a copy of their Annual Historical Report in addition to those submitted to National Defence Headquarters.

0234. The majority of the museum's collection arrived by private donation for which a receipt for income tax purposes is issued for a "Gift to the Crown in Right of Canada". Tax receipts are also issued for all financial donations which support the development and care of the artefacts and exhibits. To become a contributor to, or an active supporter of, the CME Museum contact the Curator at:

Canadian Military Engineers Museum
Canadian Forces School of Military Engineering
J10 Mitchell Building
Canadian Forces Base Gagetown
PO Box 17000, Station Forces
Oromocto NB E2V 4J5

Telephone: (506) 422-1897
E-mail: cmemuseum@forces.gc.ca
Web Site: www.cmemuseum.ca

0235. Your United Way donation can also be directed to the CME Museum by completing the proper section of the donation form. To direct a United Way donation to the CME Museum (through the Military Engineers Museum Association of Canada), include the details (name and address) above as well as the museum's Canada Revenue Agency Registration Number: 11924 5321 RR0001.

Communications

0236. In a group as diverse as the CME it is easy to lose track of the outstanding actions of some of its elements and members. Keeping current is more difficult when the pace of activity remains high and it is too easy for CME members to feel as though they have lost their place in the CME Family. The CME has an effective communications plan that reaches all members using a variety of media. The Canadian Military Engineers Association (CMEA) plays an important role in the overall communication plan; however, staying informed and achieving a

greater sense of the CME Family should be the objective of all members.

0237. The communications strategy is focused on the CME Adjutant who is responsible for drawing information from all segments of the Family and managing its dissemination. Commitment and participation from senior CME Branch specialists and key CMEA members is critical to the success of this communications strategy. To develop a sense of family, all members must be represented, therefore, all engineers are expected to participate by providing timely and relevant information on unit projects and the accomplishments of CME individuals. Among the communications media used to disseminate CME information are the CME Branch Website and the CHIMO! Communiqués.

0238. **CME Branch Website.** The official CME DIN site (accessible only from the DND network) is: <http://intranet.mil.ca/en/infrastructure-environment/cos-cme/cos-cme-index.page>. The CME Adjutant is responsible for maintaining and updating this site and all other official CME websites should be linked to this master site. CME units that maintain a website should provide the address to the CME Adjutant. Department of National Defence guidelines for the development of websites should be followed in all official CME websites.

0239. **CHIMO! Communiqués.** CHIMO! Communiqués keep the CME Family informed of the significant achievements of CME members and units, special personnel issues affecting the CME, and projects that may have an impact on members or CME organizations. Articles for posting can be submitted at any time directly to the CME Adjutant. CHIMO! Communiqués are posted on the CME Branch Website (DIN) <http://intranet.mil.ca/en/infrastructure-environment/cos-cme/cos-cme-index.page> using a 'communiqué' format. CHIMO! Communiqués are also available on the CMEA website at www.cmea-agmc.ca.

ANNEX A CME OCCUPATIONS

1. The evolution of military engineering trades is continuous. The RCE, for example, had some 38 trades represented in its Works Companies at the end of the Second World War. Twenty years later, these trades had evolved to only about one-third that number and included the following trades: Carpenter, Plumber, Painter, Bricklayer, Concreter, Sheet Metal Worker, Structural Steel Worker, Miner, Quarryman, Draughtsman, Surveyor (Engineering), Surveyor (Topographical), Photogrammetrist, and Foreman of Works. During this same period, the RCAF had a similar array of construction trades that included: Structural Technician, Plumber Gasfitter, Stationary Engineer, Water Sanitation and POL Technician, Construction Engineering Technician, Electrical Generating Systems Technician, Refrigeration and Mechanical Technician, Construction and Maintenance Superintendent, Clerk Engineering, and Firefighter. After the rationalization of the trades upon Unification in 1968, the Military Engineering Branch comprised 14 trades; with some changes over the ensuing 40 years, the Branch currently has 13 occupations.

2. The following tables detail the current Military Occupational Structure Identification (MOSID) codes and titles for all engineer occupations.

CME Officer and Non-Commissioned Member Occupations

MOSID	TITLE	ABBREVIATION
00149	Fire Fighter	FIRE FTR
00181	Engineer	ENGR
00189	Construction Engineer	CONST ENGR
00238	Geomatics Technician	GEO TECH
00301	Refrigeration and Mechanical Technician	RM TECH
00302	Electrical Distribution Technician	ED TECH
00303	Electrical Generation Systems Technician	EGS TECH
00304	Plumbing and Heating Technician	PH TECH
00305	Water, Fuels and Environment Technician	WFE TECH
00306	Construction Technician	CONST TECH
00307	Construction Engineer Superintendent	CE SUPT
00339	Combat Engineer	CBT ENGR
00370	Drafting and Survey Technician	DS TECH

Table 2A-1 Table of CME Occupations

Note: Reserves have are the same MOSIDs with the prefix R (e.g. R00149 denotes a Reserve Firefighter).

ANNEX B PRINCIPAL ENGINEER UNITS AND FORMATION

Regular Force Units and Formation

UNIT NAME	LOCATION
1 Combat Engineer Regiment	CFB Edmonton, AB
2 Combat Engineer Regiment	CFB Petawawa, ON
5 ^e Régiment du génie de combat	CFB Valcartier, QC
4 Engineer Support Regiment	CFB Gagetown, NB
4 Construction Engineering Squadron	CFB Cold Lake, AB
1 Engineer Support Unit	CFB Kingston, ON
Mapping And Charting Establishment	Ottawa, ON
Canadian Forces School of Military Engineering	CFB Gagetown, NB
School of Military Mapping	Ottawa, ON
Canadian Forces Fire and Chemical, Biological, Radiological & Nuclear Academy	CFB Borden, ON
Canadian Forces Real Property Operations Group (Formation)	All CAF Installations
Real Property Operations Unit (Pacific)	All CAF Installations within Region
Real Property Operations Unit (West)	All CAF Installations within Region
Real Property Operations Unit (Ontario)	All CAF Installations within Region
Unité des opérations immobilières (Québec)	All CAF Installations within Region
Real Property Operations Unit (Atlantic)	All CAF Installations within Region

Table 2B-1 Regular Force Units

Reserve Force Units

UNIT NAME	LOCATION
31 Combat Engineer Regiment (The Elgins)	St. Thomas, ON
32 Combat Engineer Regiment	Toronto, ON
33 Combat Engineer Regiment	Ottawa, ON
34 Combat Engineer Regiment	Montréal, QC
35 Combat Engineer Regiment	Québec, QC
36 Combat Engineer Regiment	Shearwater, NS
37 Combat Engineer Regiment	St John's, NL
38 Combat Engineer Regiment	Winnipeg, MB
39 Combat Engineer Regiment	North Vancouver, BC
41 Combat Engineer Regiment	Edmonton, AB
14 Construction Engineering Squadron HQ	Bridgewater, NS
143 Construction Engineering Flight	Lunenburg, NS

144 Construction Engineering Flight	Pictou, NS
91 Construction Engineering Flight	Gander, NL
192 Construction Engineering Flight	Aldergrove, BC

Table 2B-2 Reserve Force Units

Note: The names of Regular Force and Reserve Force units that are no longer active can be found in Volumes I to III of *The History of the Royal Canadian Engineers/Canadian Military Engineers*.

ANNEX C THE CME COLONEL COMMANDANT

Past CME Colonels Commandant

Brigadier J.L. Melville, OBE, MC, ED, CD*	1962-1973
Colonel R.J. Carson, CD	1973-1978
Major-General G.H. Spencer, OBE, CD	1978-1982
Colonel M.C. Sutherland-Brown, DSO, CD	1982-1988
Colonel E.A. Ballantyne, CD	1988-1991
Major-General N.S. Freeman, CD	1991-1994
Major-General J.A. Stewart, CD	1994-1997
Brigadier-General A.C. Brown, CMM, CD	1997-2000
Brigadier-General T.H.M. Silva, CD	2000-2005
Major-General J.E. Woods, CD	2005-2008
Colonel R.K. St. John, OMM, CD	2008-2009
Brigadier-General R.W. DesLauriers, OMM, CD	2009-2015
Brigadier-General S.M. Irwin, CD	2015-

Table 2C-1 Past CME Colonels Commandant

Note: Brigadier Melville was Honorary Colonel Commandant of the Corps of Royal Canadian Engineers from 1948-1962. His appointment title was changed to "Colonel Commandant" on 20 September 1962 and he continued in that capacity until 1968. He was so respected that, upon unification of the three services, he continued to act in the capacity of Colonel Commandant until 1973 during the evolution of the Canadian Military Engineers.

Change of Appointment Ceremony

1. The Colonel Commandant Change of Appointment Ceremony is normally conducted indoors. It may be adapted for outdoor use at the discretion of the Branch Advisor with the approval of the commander of CME troops on parade and can be tailored to particular circumstances.
2. **Arrival Ceremony.** Guests arrive before the Colonel Commandant and Colonel Commandant Designate. If feasible, and depending on circumstances, a CME quarter-guard is provided.
 - a. The Colonel Commandant arrives first, takes the salute, inspects and addresses the guard and, following a departure salute, enters the building. The salute is — "To your Colonel Commandant, Engineer Salute, present arms (or salute)!" Formed Engineer units may use the phrase "Sapper Salute" in place of "Engineer Salute" according to local custom.
 - b. The Colonel Commandant Designate arrives a few minutes later, takes the salute, may also inspect and address the guard and, following a departure salute enters the building. The salute is — "Engineer Salute, present arms (or salute)!"

3. **Change of Appointment.** After any associated preliminary activities have been completed and the guests and officials have assembled, it is ensured that glasses have been charged and the Branch Advisor calls for order and conducts the following ceremony:
- a. **Introductions.** The Senior Serving Engineer, the Colonel Commandant, the Colonel Commandant Designate (and their spouses), and the CME Chief Warrant Officer are invited forward and introduced.
 - b. **Toast to the Colonel Commandant.** The Branch Advisor expresses the appreciation of the Military Engineers to the Colonel Commandant. Messages from the CME Family members at large may be read at this time. The Branch Advisor closes with a toast to the Colonel Commandant by name (e.g., “Ladies and gentlemen, a toast to our Colonel Commandant and spouse, to Norm and Norma Bailey.”).
 - c. **Colonel Commandant’s Remarks.** The Colonel Commandant may address the gathering.
 - d. **Return of the Pennant.** With the aid of the CME Chief Warrant Officer, the Colonel Commandant then returns the Colonel Commandant’s Pennant to the Senior Serving Engineer, thereby ceremonially passing the office back to the CME (from time to time during the ceremony the CME Chief Warrant Officer holds the pennant as required).
 - e. **Hand-over Oath of Office.** The Senior Serving Engineer or the Branch Advisor invites the Colonel Commandant Designate to take the CME Oath of Office.
 - f. **Presentation of the Colonel Commandant’s Pennant.** The CME ceremonially bestows the office when the Senior Serving Engineer, with the aid of the CME Chief Warrant Officer, presents the pennant to the Colonel Commandant Designate.
 - g. **Signing of Certificates.** The Colonel Commandant and past Colonel Commandant sign the Change of Appointment Certificates, witnessed by the Branch Advisor and the Senior Serving Engineer. The original certificate is presented to the Colonel Commandant and copies are given to the past Colonel Commandant and to the CME Adjutant to be kept as a record.
 - h. **Presentations to the past Colonel Commandant.** The CME Chief Warrant Officer is invited to present the old pennant to the past Colonel Commandant as a memento and the Senior Serving Engineer makes a presentation to the past Colonel Commandant’s spouse. Other presentations may be made at this time.
 - i. **Toast to the Colonel Commandant.** As a final official duty, the past Colonel Commandant addresses the new Colonel Commandant, closing with a toast (e.g., “Ladies and gentlemen, a toast to our Colonel Commandant and spouse, to Douglas and Francis Bayonet.”).
 - j. **Toast to the Canadian Military Engineers.** The first duty of the new Colonel Commandant is to propose a toast to the CME and possibly make a few remarks concerning the occasion. While no provision is made for a formal address, there is usually an opportunity during the ensuing events when one may be appropriate, such as the end-of-ceremony remarks or an after-dinner speech. Though the toast

to the CME can take many forms, the traditional response is a resounding “Chimo!”

- k. Closing Remarks. The Branch Advisor closes the ceremony by inviting guests forward to meet the official party.

CME Colonel Commandant's Oath of Office

“I, ...[name in full]...in the presence of all that is holy, and in the company of my peers, representing all ranks, serving and retired, of the Family of Canadian Military Engineers, accept the appointment of Colonel Commandant.

I promise to foster esprit de corps throughout the Canadian Military Engineers by visiting members of the Family wherever they serve, by sharing their concerns, and by championing their interests at the highest levels.

I promise to respect the rich heritage of sailors, soldiers and aviators, of men and women whose pioneering spirit continues to build a strong, prosperous Canada.

I promise to promote the institutions of the Canadian Military Engineers, to advise on matters of significance to the Canadian Military Engineers and its members, and to liaise with our allied and affiliated branches, corps and associations.

I accept this office with great pride in the traditions and accomplishments of generations of Canadian Military Engineers whose sacrifice and service, in peace and war, have distinguished them, the Canadian Military Engineers and their country. I accept this office with humility, recognizing that the only higher appointment in the Canadian Military Engineers' order of precedence is that of our Colonel-in-Chief, Her Majesty, Queen Elizabeth.

I accept with confidence the excellence and camaraderie of the Canadian Military Engineer Family. To this end, I call upon those present, and through them upon all members of the Family, to unite with me, in body and spirit, and to sustain me in the performance of my several duties as together we pursue the destiny of the Canadian Military Engineers. “May we always strive for excellence . . . Chimo!”

ANNEX D CME CHIEF AND SENIOR ENGINEERS

CME CHIEF ENGINEER	
Brigadier General S.M Irwin, CD	2002-2005
Brigadier General D. Benjamin CMM, CD	2005
Colonel J.M.C Rousseau, CD	2005-2007
Colonel P.F. Wynnyk, OMM, MSM, CD	2007-2008
Colonel R.P Testa, OMM, CD	2008-2009
CAF CHIEF MILITARY ENGINEER	
Major General D. Benjamin, CMM, CD	2009-2011
Major General C.T. Whitecross, OMM, CD	2011-2015
Major General K. McQuillan, OMM, CD	2015-2016
Major General J.S. Sirois, OMM, CD	2017-
SENIOR SERVING ENGINEERS	
Lieutenant-General L.G.C. Lilley, DSO, CD	1966-1970
Major-General G.H. Spencer, OBE, CD	1970-1972
Major-General N.C. Brown, DFC, CD	1972-1974
Major-General R.E. Ashton, CD	1974-1978
Major-General N.G. Trower, MBE, CD	1978-1979
Major-General N.S. Freeman, CD	1979-1982
Major-General J.A. Stewart, CD	1982-1985
Major-General D.M. Gray, CD	1985-1987
Major-General J.E. Woods, CD	1987-1990
Major-General J.L. Adams, CMM, CD	1990-1993
Brigadier-General D.W. Edgecombe, CD	1993
Major-General K.G. Penney, OMM, CD	1993-2003
Major-General E.S. Fitch, OMM, MSM, CD	2003-2006
Lieutenant-General J.C.M. Gauthier, CMM, MSC, CD	2006-2009
Major-General D. Benjamin, CMM, CD	2009-2011
Major-General J.M.C. Rousseau, CD	2011-2014
Lieutenant-General C.T Whitecross, OMM, CD	2014-

Table 2D-1 CME Chief and Senior Engineers

Note: This list includes only those CME Senior Serving Engineers since Unification.

ANNEX E CME BRANCH ADVISORS AND DIRECTORS

BRANCH CO-ADVISORS	
BGen E.W. Henselwood, DSO, CD Apr 69 – Sep 70	LCol R.A. MacDiarmid, CD Sep 67 - Jun 70
BGen N.C. Brown, DFC, CD Sep 70 – Nov 72	Col J.G. Forth, CD Jun 70 - Jun 71
	Col R.M. Black, MBE, CD Jun 71 - Jun 72
MGen N.C. Brown, DFC, CD Nov 72 - Dec 74	Col R.A. Powell, CD Oct 72 - Jul 73
	Col L.J. O'Brien, CD Jul 73 - Jul 74
MGen R.E. Ashton, CD Dec 74 - Sep 78	Col D.G. McLellan, CD Jul 74 - Jun 77
MGen N.S. Freeman, CD Sep 78 - Jun 82	Col C.A. Lowry, CD Jun 77 - Jun 80
	Col J.K. Matheson, CD Jun 80 - Aug 84
MGen J.A. Stewart, CD Jun 82 - Jul 85	Col D.H. Smith, CD Aug 84 - Jul 85
MGen D.M. Gray, CD Jul 85 - May 87	Col S.C. Dunbar, CD Aug 85 - Dec 86
	Col E.A. Everest, CD Dec 86 - Jul 87
MGen J.E. Woods, CD Jul 87 - Aug 89	Col A.J. Tattersall, CD Jul 87 - Nov 88
	Col D.T. Carney, CD Nov 88 - Jul 89
BRANCH ADVISORS	
Col C.R. Keple, CD	1989-1993
Col M.D. Lougher-Goodey, CD	1993-1996
Col E.S. Fitch, CD	1996-1999
Col M.E.J. Whitty, CD	1999-1999
Col J.K. Simpson, CD	1999-2002
Col J.D.R. Gervais, CD	2002-2004
Col J.K. Tattersall, CD	2004-2008
Col J.G. Wall, CD	2008-2009
Col W.R. Moore, CD	2009-2010
Col R.N.H. Dickson, CD	2010-2012
Col D.A. MacIsaac, CD	2012-2013
LCol M.A. Gasparotto, MSM, CD (A/Br Adv)	2013-2014
Col K.G. Horgan, CD	2014-2015

Col A.R. Jayne, CD	2015-2017
Col M. Gros-Jean, CD	2017-

Table 2E-1 CME Branch Advisors

Director Air Force Engineers	
Col N.S. Freeman, CD	1975-1978
Col J.A. Stewart, CD	1978-1979
Col J.R. Lines, CD	1979-1983
Col W.D. Johnston, OMM, CD	1983-1987
Col J.R. Fryer, CD	1987-1990
Col K.G. Penney, CMM, CD	1990-1994
Col M.C. Sweeney, CD	1994-1996
Col R.A. Thomas, OMM, CD	1996-1997
Col J.P.Y.D. Gosselin, CMM, CD	1998-2001
Col J.P.Y LeBlanc, CD	2001-2005
Col R.C. Baker, CD	2005-2008
Construction Engineer/Firefighter Occupational Advisor	
Col R.C. Baker, CD	2008-2011
Col K.G. Horgan, CD	2011-2017
Col S.P. Lewis, MSM, CD	2017-
Director Engineers	
Col A.G. Hoyt, CD	1970-1972
Col L.P. Belanger, CD	1972-1975
Col J.K. Matheson, CD	1975-1979
Col D.H. Smith, CD	1979-1982
Col C.R. Keple, CD	1982-1986
Col J.D. Megill, CD	1986-1989
Col M.D. Lougher-Goodey, CD	1989-1991
Col R.K. St. John, OMM, CD	1991-1993
Col J.K. Simpson, CD	1993-1994
Col C.A. Lythgo, CD	1994
Col J.P. Lesperance, CD	1994-1996
Col S.M. Irwin, CD	1996-1999
Col S.B. Appleton, MSM, CD	1999-2002
Col K.C. McLeod, CD	2002-2003
Col M.G. Dussault, CD	2003-2004
Col F.A. Lewis, MSM, CD	2004-2006

Col J.S. Sirois, OMM, CD	2006-2009
Col R.N.H. Dickson, CD	2009-2010
Col J.G. Wall, CD	2010-2012
Col R.N.H. Dickson, CD	2012-2013
Director RCE	
Colonel R.N.H. Dickson, CD	2013-2014
Colonel J.E Goodman, CD	2014-2015
Colonel D. Basinger, CD	2015-

Table 2E-2 CME Directors

ANNEX F CME CHIEF WARRANT OFFICERS

CWO E.R. Storey, MMM, CD	Jul 1982 - Nov 1982
CWO L.R. McBride, CD (Acting)	Nov 1982 - Jun 1983
CWO O. Kiltz, CD	1983 - 1985
CWO J. Gregoire, OMM, CD	1985 - 1988
CWO D.A. Neale, CD	1988 - 1991
CPO1 J.M. Daley, MMM, CD	1991 - 1995
CWO A.G. Hodgkinson, CD	1995 - 1999
CWO J.V.P. Lepage, MMM, CD	1999 - 2002
CWO K.B.C. Michaud, CD	2002 -2005
CWO J.H.R.P Ste-Marie, MMM, CD	2005-2007
CWO J.L.L.D Gratton, CD	2007-2008
CWO P.M.P Clot, CD	2008-2010
CWO K.P Jones, MMM, CD	2010-2012
CWO K.A. Patterson, MMM, CD	2012-2015
CWO R. Swift, CD	2015-2017
CWO G. Simpkin, CD	2017-

Table 2F-1 CME Chief Warrant Officers

ANNEX G CME ASSOCIATIONS

6th Field Company RCE Veterans
Combat Divers Association
The Mappers Club
Firefighters
RCE Retired Sappers Association
Retired Sappers Reunion
Sapper Apprentices Reunion
Alberta RCE Sappers Club
Association des Sapeurs Retraités du Québec
Atlantic Retired Sappers
CFB Chilliwack Historical Society
Military Engineer Museum Association of Canada
Military Engineering Institute of Canada
Canadian Military Engineers Association of Canada

For assistance in contacting any of these groups, refer to: <https://cmea-agmc.ca/contact-cmea-webmaster>