

QC
92
.G2A35

Plan for Metric Conversion Within the Government of Canada



Government
of Canada

Gouvernement
du Canada

Industry, Trade
and Commerce

Industrie
et Commerce

DEPARTMENT OF INDUSTRY
TRADE & COMMERCE
LIBRARY
FEB 14 1979
BIBLIOTHEQUE
MINISTÈRE DE L'INDUSTRIE
ET DU COMMERCE

The Plan for Metric Conversion within the Government of Canada was developed by the Interdepartmental Committee for Metric Conversion to give effect to the objectives of the White Paper on Metric Conversion in Canada published by the government in January 1976. The Plan is in conformity with the national Policy Plan Program of Guidelines for the Metric Conversion of Canada in the Appendixes of legislation in order to facilitate...

Plan for

Metric Conversion

Within the

Government of Canada

In order to ensure that metric conversion is carried out consistently throughout the federal government, departments and agencies are asked to adhere to the policies and procedures outlined in the Plan. The Plan is a guide for the federal government in the program of metric conversion. The Plan is the result of the cooperation and support of all federal employees in creating a consistent and uniform system of departments and agencies and carried out in an exemplary manner.

The Plan has been approved by the Interdepartmental Committee for Metric Conversion and by Metric Commission Canada, which is responsible for the program. The Plan is a guide for the federal government in the program of metric conversion. The Plan is the result of the cooperation and support of all federal employees in creating a consistent and uniform system of departments and agencies and carried out in an exemplary manner.

[Signature]

[Signature]

H.C. Douglas
Chairman
Interdepartmental Committee
for Metric Conversion

D.A.S. McPherson
Chairman
Metric Commission Canada

Approved by
the Interdepartmental Committee for Metric Conversion

1978-02-21

Approved by
Metric Commission Canada

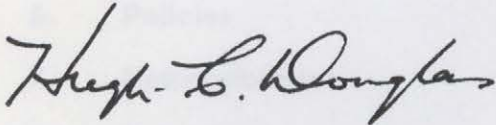
1978-04-11

FOREWORD

The Plan for Metric Conversion Within the Government of Canada was developed by the Interdepartmental Committee for Metric Conversion to give effect to the decisions of the White Paper on Metric Conversion in Canada published by the government in January 1970. The Plan is in conformity with the national Four Phase Program of Guideline Dates and with the Cabinet Directive on the Amendment of Legislation in order to Facilitate Metric Conversion in Canada.

In order to ensure that metric conversion is carried out consistently throughout the federal government, departments and agencies are asked to adhere to the policies and time schedules outlined in the Plan. The key role of the federal government in the program of metric conversion in Canada requires the cooperation and support of all federal employees in ensuring that individual plans of departments and agencies are carried out in an exemplary manner.

The Plan has been approved by the Interdepartmental Committee for Metric Conversion and by Metric Commission Canada, and can be regarded as the governing document from which departments and agencies may develop their individual metric conversion plans.



H.C. Douglas
Chairman
Interdepartmental Committee
for Metric Conversion



D.R.B. McArthur
Chairman
Metric Commission Canada

Plan for
Metric Conversion
Within the
Government of Canada

Index

<u>Subject</u>	<u>Page</u>
1. Introduction	1
2. Definitions	1
3. Background	2
4. Program of Guideline Dates	3
5. Federal Government Metric Conversion Plan	3
6. Policies	4
7. Responsibilities	6
8. Enquiries	6
Annex A - Bar Chart, Federal Government Plan	
Annex B - Major Activity Areas (Description)	
Annex C - Specific Exceptions to Plan	
Annex D - Steering & Sector Committee Structure	
Annex E - Rosters of ICMC Members & Corresponding Members	

Plan for
Metric Conversion
Within the
Government of Canada

1. **Introduction**

- 1.1 The purpose of this document is to provide an overall plan for conversion to the metric system of measurement in the federal government, within which individual departments and agencies are to convert to the metric system.
- 1.2 This plan encompasses the major activity areas and finish dates for implementation of the metric system provided by individual departments and agencies. The plan is summarized on a bar chart (Annex A) which shows planned finish dates for each major activity area. Specific exceptions are noted in Annex C.

2. **Definitions**

- 2.1 SI is the abbreviation for International System of Units. The terms "metric system", "metric units", etc., in this document mean the International System of Units, SI.
- 2.2 Metric conversion is the process of adopting the single coherent measurement system based on metric units as defined above.
- 2.3 Soft conversion means the replacement of a numerical value expressed in non-metric units by a numerical value expressed in metric units which does not result in physical changes outside the limits permitted by former measurement tolerances.
- 2.4 Hard conversion means the replacement of a numerical value expressed in non-metric units by a numerical value expressed in metric units which results in a physical change outside the limits permitted by former measurement tolerances.
- 2.5 Rationalization means the selection and prescribing of a preferred series of dimensions or quantities. The objective of rationalization is usually to limit the number of sizes in order to simplify and reduce the cost of producing, storing, distributing, marketing or maintaining the goods concerned, or to facilitate comparison of their prices or other characteristics by consumers.

3. Background

- 3.1 In January 1970, the government published a *White Paper on Metric Conversion in Canada* in which it accepted the principle that "... the eventual adoption in Canadian usage of a single coherent measurement system based on metric units should be acknowledged as inevitable and in the national interest".
- 3.2 The *White Paper* further stated that the government:
 - 3.2.1 "... accepts its responsibility to provide leadership in planning for the process of change";
 - 3.2.2 "... will propose arrangements for the division of responsibilities in the public and private sectors for studies, planning, consultation and ultimate organization of coordinated approach to conversion"; and
 - 3.2.3 "... would also begin the process of change within its own departments".
- 3.3 Metric Commission Canada (MCC) was established by order in council on June 10, 1971 and given the broad mandate to prepare an overall program for conversion to the metric system in Canada. The 18 part-time Commissioners, appointed from outside the federal government, represent various sectors of the economy.
- 3.4 To carry out its task, Metric Commission Canada divided the economy into over 100 sectors, as shown in Annex D, and established for each a committee comprising representatives of organizations active in the sector. The activities of the sector committees are coordinated by 12 steering committees, each chaired by a Commissioner. In total more than 2000 individuals from government, business and non-profit organizations are currently participating in these activities.
- 3.5 The Standards Council of Canada (SCC) was given the responsibility for establishment of the technical bases for adopting SI through the provision of standards in respect of SI terminology, symbols, conversion factors, approved practices, etc., and for the planning and implementation of a program for conversion of standards in Canada.
- 3.6 The Interdepartmental Committee for Metric Conversion (ICMC), originally formed in 1967 to study the implications of metric conversion in Canada, was reconstituted in 1972 in order to carry out a Cabinet Directive that it "... be continued to serve the internal purposes of the government".

- 3.7 The ICMC is responsible for coordinating the planning and implementation of metric conversion within the federal government. It is comprised of representatives of all federal government departments and agencies (see rosters of members and corresponding members, Annex E). The individual members and corresponding members of the ICMC are also responsible for coordinating metric conversion within their own departments or agencies.
- 3.8 The Intergovernmental Metric Conversion Committee (IMCC) was formed to provide liaison among the provinces and territories and between them and Metric Commission Canada and the ICMC. The IMCC is chaired by the Metric Commission Chairman and is comprised of the designated metric conversion contact from each province and territory, the Executive Director of MCC, the ICMC Secretary and a representative of the Standards Council of Canada.

4. Program of Guideline Dates

- 4.1 Metric conversion in Canada is being conducted in accordance with a four-phase program of guideline dates approved by Cabinet in January 1974. The four phases are as follows:
- 4.1.1 An investigation Phase, to determine what needs to be done in respect of metric conversion;
 - 4.1.2 A Planning Phase, to identify the sequence in which actions are to be performed;
 - 4.1.3 A scheduling Phase, during which the timing of actions are determined and coordinated; and
 - 4.1.4 An implementation Phase, during which conversion takes place.
- 4.2 The investigation stage was completed for all practical purposes in 1975. In December 1977, the planning phase was about 75% completed and the scheduling phase was expected to be completed in 1978. The implementation phase is expected to reach a peak in 1978-79 and be substantially completed by the end of 1980, when metric measures will be used by Canadians for most commercial and legal purposes.

5. Federal Government Metric Conversion Plan

- 5.1 This *Plan for Metric Conversion Within the Government of Canada* is based on information provided by individual federal departments and agencies in response to the ICMC document *Metric Conversion Program Within the Federal Government* which was prepared by the ICMC and circulated to all departments and agencies on 28 February, 1977.

- 5.2 The plan contains seven major activity areas as shown in Table 5.3.1 below and on the bar chart (Annex A). These activity areas were selected by the ICMC as those in which departments and agencies interface with each other or with sectors outside the federal government. Individual departments and agencies may decide to include additional activity areas in their own metric conversion plans.
- 5.3 The earliest finish date for each activity area, i.e., the date by which metric conversion will be substantially completed in that activity area in all departments and agencies, is shown in Table 5.3.1 below and on the bar chart (Annex A).

Table 5.3.1

Major Activity Area	Earliest Finish
Measurement Units	Apr. 1979
Standards	Apr. 1979
Legislation and Regulations	Nov. 1979
Materials, Supplies and Services	Apr. 1979
Equipment	Dec. 1979
Publications	Apr. 1979
Training	Jun. 1979

- 5.4 Descriptive comments on the seven major activity areas are provided in Annex B.
- 5.5 Specific exceptions to the planned implementation dates, as reported by departments and agencies concerned, are listed in Annex C.
6. **Policies**
- 6.1 To ensure that metric conversion will be carried out in a consistent manner throughout the federal government, the following policies have been adopted:
- 6.1.1 during the transition period, federal government departments and agencies shall coordinate their metric conversion activities, as appropriate, with those of Metric Commission Canada and with those of other government departments and agencies and other sectors, both public and private, with which they interface;

- 6.1.2 implementation of the metric system within the departments and agencies of the federal government shall be effected as economically and efficiently as possible. Each department and agency will be responsible for financing its own costs of conversion;
- 6.1.3 all new legislation, regulations, orders, guidelines, standards, publications, and documents shall use SI and rationalization to the greatest extent possible;
- 6.1.4 conversion of existing legislation, regulations, orders, guidelines, standards, publications, and documents shall be completed by the target dates established by the Metric Commission Sector Committees concerned with the activities but in any event not later than the finish dates shown in this plan. Such conversion shall employ the principles of hard conversion and rationalization to the greatest extent possible and shall avoid the use of dual units of measurement.
- 6.1.5 where a proposed amendment to convert a measurement sensitive clause in a regulation would alter the value of the measurement by more than 10%, or would be likely to result in significant cost to those required to comply with it, the proposed amendment shall be placed before the appropriate sector committee(s) of Metric Commission Canada which shall be given 60 days to respond.
- 6.1.6 metric practices employed in all publications, including legislation, regulations, orders, guidelines, standards, and documents, and in press releases, correspondence and other printed material, shall be in accordance with the latest edition of the *Canadian Metric Practice Guide* in (CAN 3-Z234.1-76). Where considered advisable or necessary to ensure the correctness of such practices (e.g. where documents are to be widely distributed) the metric screening service provided in the Canadian Government Specifications Board (CGSB) shall be employed (See *Treasury Board Circular* 1976-40);
- 6.1.7 where metric conversion cannot be undertaken unilaterally by an individual department or agency because other departments or agencies are affected or federal-provincial or international agreements are involved, the departments or agencies shall cooperate with others involved and take such initiative as may be appropriate to bring about agreed metric conversion.
- 6.1.8 procurement of supplies, material and equipment in metric units shall be consistent with the *DSS Metric Procurement Policies* which have been promulgated by Supply and Services Canada.
- 6.1.9 employees of federal government departments and agencies shall be provided with training in the use of the metric system to the extent required for the performance of their normal duties.

7. Responsibilities

- 7.1 It is the responsibility of all departments and agencies to initiate actions necessary to ensure the efficient and timely conversion to SI of all operations within their area of responsibility in accordance with the policies and timing set out in this plan. The responsibilities include:
- 7.1.1 issuing a metric conversion policy statement for the implementation of this plan;
 - 7.1.2 appointing a metric conversion coordinator;
 - 7.1.3 identifying where measurement terms are used in their department or agency and planning for conversion to SI of those terms within agreed time frames;
 - 7.1.4 maintaining an awareness of the activities of Metric Commission Sector Committees (see Annex D) which impinge on or relate to their activities, particularly with respect to preferred SI terms and conversion target dates;
 - 7.1.5 participating in the activities of MCC Sector Committees where their input has significant bearing;
 - 7.1.6 identifying any significant interfaces with other departments and agencies, other governments or the private sector and ensuring necessary consultation and coordination;
 - 7.1.7 providing pertinent information on request by Metric Commission Canada or the ICMC Secretariat;
 - 7.1.8 providing the opportunity for employees to participate in the basic metric training program which has been prepared for general and administrative staff;
 - 7.1.9 providing for additional training as may be necessary for personnel in technical or specialized areas;
 - 7.1.10 ensuring that all printed material employs correct metric practices.

8. Enquiries

- 8.1 Enquiries concerning this plan, as it relates to activities and plans within a department or agency, should be addressed to the departmental or agency metric conversion coordinator listed in Annex E.

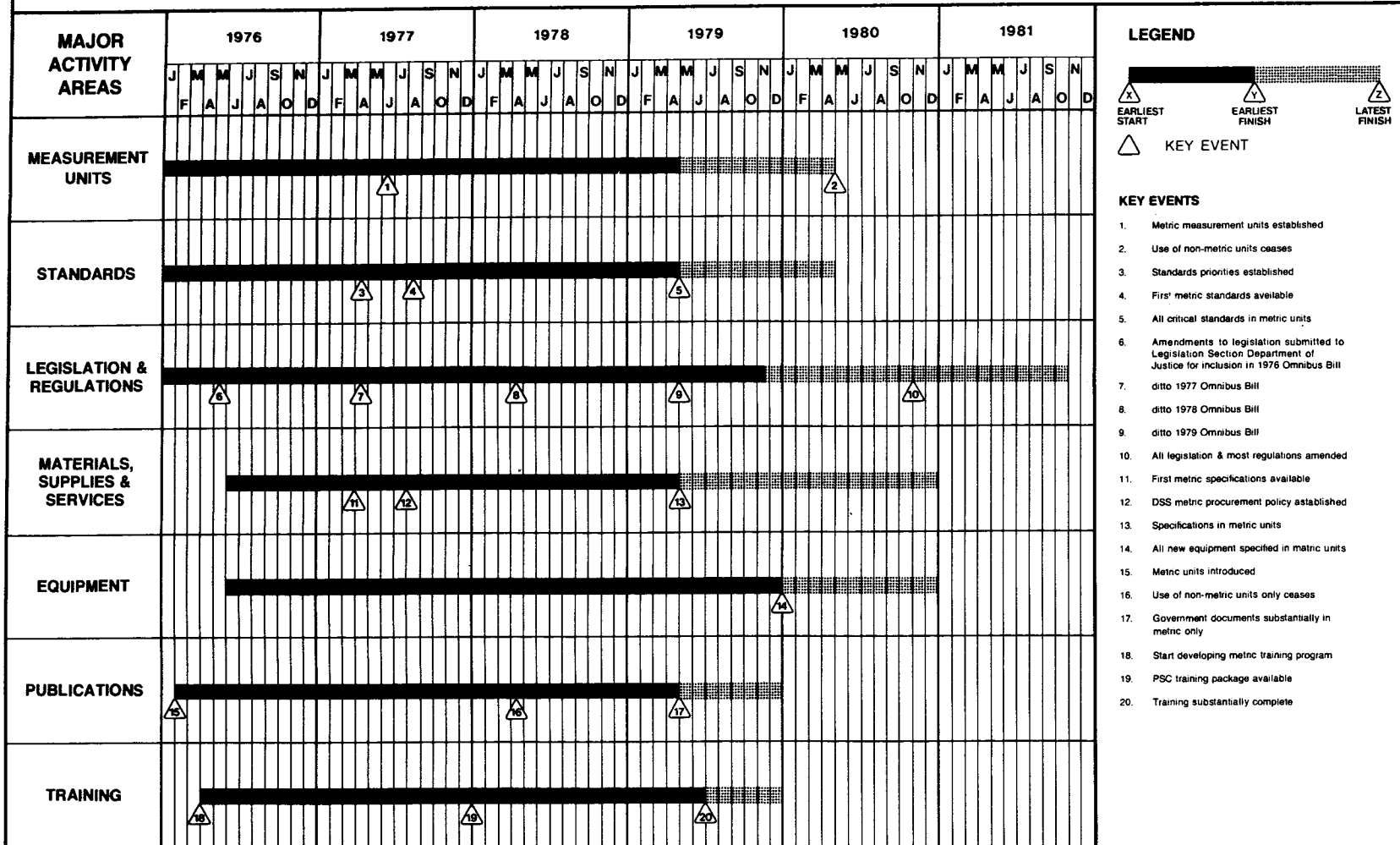
- 8.2 Enquiries concerning the metric conversion policies, plans and programs within the federal government should be addressed to:

Mr. H.I. King,
Secretary,
Interdepartmental Committee for Metric
Conversion (ICMC),
Department of Industry, Trade & Commerce,
235 Queen Street, 8th Floor East,
Ottawa, Ontario. K1A 0H5
Telephone: 593-7881

- 8.3 Enquiries concerning details of sector committee activities including status of (private sector) planning activities and scheduled conversion dates should be addressed to:

(The Sector Plan Manager concerned - see Annex D),
Metric Commission Canada,
Box 4000,
Ottawa, Ontario. K1S 5G8
Telephone: 996-4000

BAR CHART PLAN FOR METRIC CONVERSION WITHIN THE GOVERNMENT OF CANADA



Plan for
Metric Conversion
Within the
Government of Canada

B. Major Activity Areas

B.1 Measurement Units

B.1.1 Measurement units including preferred multiples and submultiples, will normally be determined by the Metric Commission's sector committee(s) having primary concern. Departments and agencies should use units recommended by the sector committee(s) - see list of committees and Sector Plan Managers, Annex D.

B.2 Standards

B.2.1 Internal standards should be converted as soon as feasible but not later than April, 1979.

B.2.2 Conversion of external standards, i.e. standards prepared by standards-writing organizations, will normally be beyond the control of departments and agencies. They should determine which standards impinge on their activities and consult the "Standards Conversion Programs" for conversion status of those standards. (Indexes of standards conversion programs are available from the ICMC Secretariat).

B.3 Legislation and Regulations

B.3.1 Measurement sensitive clauses in existing statutes should be amended by the 1978 or 1979 omnibus bill in accordance with the Cabinet Decision of 1976-01-29 or, where necessary, by separate bills. Any new statutes which may be proposed, and which contain measurements, should be solely in metric units.

B.3.2 Existing regulations should be converted as soon as feasible but not later than November 1981.

B.3.3 Where a proposed amendment to convert a measurement sensitive clause in a regulation would alter the value of the measurement by more than 10%, or would be likely to result in significant cost to those required to comply with it, the proposed amendment shall be placed before the appropriate sector committee(s) of Metric Commission Canada which shall be given 60 days to respond.

B.4 Materials, Supplies and Services

B.4.1 Supply and Services Canada has issued an official "DSS Metric Procurement Policy". The following are excerpts from that policy:

B.4.1.1 "Where sector plans identify precisely the dates when metric products are to be available, the Supply Administration product centres will normally tender for non-metric products in non-metric terms up to the date specified in the sector plan unless product centres determine that non-metric products are not available at competitive prices or where there is a price or other advantage to be derived from the procurement of metric products or the customer department has on its requisition why a metric product should be purchased."

B.4.1.2 "On or after the date specified in the metric sector plan for products in an industry sector to be available in metric specifications, both the customer department's requisitions and the Supply Administration products centres tender requirements should be in metric terms and should give preference to metric products meeting industry-approved metric standards, unless such products are not available at reasonable and competitive prices or the customer department has identified on its requisition the reason why a non-metric product should be purchased."

B.4.1.3 "The Supply Administration will take steps to ensure that suppliers and customer departments are made aware of these policies and when metric products become available".

B.5 Equipment

B.5.1 New equipment should be requisitioned and ordered in metric terms to the greatest extent possible in keeping with the principles of the "DSS Metric Procurement Policy".

B.5.2 It is recognized that existing long-life equipment will generally be converted and will not be replaced with metric equipment until it has served its useful life and is in need of replacement for reasons other than metric conversion.

B.6 Publications

B.6.1 All departmental publications should employ SI terminology solely as soon as possible but in any case no later than the conversion dates established by the Sector Committees in the area of concern.

B.6.2 Metric practices employed in all publications, including statutes, regulations, orders, guidelines, standards, etc., and in press releases, correspondence and other printed material, shall be in accordance with the latest edition of the Canadian Metric Practice Guide (CAN 3-Z234.1-76). Where considered advisable or necessary to ensure the correctness of such practices (e.g. where documents are to be widely distributed) the metric screening service provided in the Canadian Government Specifications Board (CGSB) shall be employed (See Treasury Board Circular 1976-40);

B.7 Training

B.7.1 Departmental and agency staff should be provided the opportunity to attend a metric training session covering basic metric practices.

B.7.2 Departments and agencies are responsible for staff training as necessary, in technical and specialized areas.

Specific Exceptions
to the
Plan for Metric Conversion
Within the Government of Canada

C.1 Canadian Transport Commission

C.1.1 (Legislation and Regulations)

Some Railway Operating Regulations administered by the CTC will not likely be converted solely in SI units by November 1981, the extended latest finish date agreed to by the ICMC.

C.1.2 (Publications)

As in the case of Statistics Canada publications, it is not likely that many CTC publications will be available in metric terms by December 1979, as now indicated in the bar chart because they are based on transport data produced by Statistics Canada and the private sector.

Should any alterations of these statements be required, we will inform the ICMC accordingly.

C.2 Consumer and Corporate Affairs

C.2.1 (Measurement Units)

Since the department must retain the capability to verify non metric weighing and measuring devices until the transition period is over, it will have to use non-metric units to describe tests performed on non-metric devices. Forecast date for cessation of use of non-metric units in this connection is December 31, 1981, but the actual date may possibly be later.

C.2.2 (Legislation and Regulations)

Amendment of measurement sensitive statutes is complete. Some amendments to regulations under the Hazardous Products Act, however, refer to U.S. standards on which conversion date is currently unknown.

C.3 Energy, Mines and Resources

C.3.1 (Publications)

Since January 1977, all new descriptions for geodetic stations have included SI units. The International Boundary Commission must obtain agreement with the U.S. regarding the use of SI in new station descriptions. There are some 10,000 existing descriptions of geodetic survey stations that have to be converted to SI units. The conversion of these station descriptions will be undertaken when manpower becomes available and/or when the station is inspected and the description revised.

C.3.2 (Publications)

Aeronautical charts and flight information publications include metric scales. However, elevations and distances will continue to be shown in Canadian units until radio navigation and on-board equipment have metric read-out systems. The date on which EMR will express spot heights, contours, distances, etc., in metric terms will be determined by Transport Canada and National Defence in conjunction with the International Civil Aviation Organization (ICAO) and other representative agencies. It is estimated that it will take five years following such agreement to convert all charts and publications. Most charts and publications, however, do currently include conversion scales.

C.3.3 (Publications)

All new National Topographic Series maps produced are metric. Existing maps will be converted to SI (contours and spot elevations) whenever a full revision is required. This process will take many years to complete.

C.4 Fisheries and the Environment

C.4.1 (Publications)

The Canadian Hydrographic Service, due to financial constraints, will not completely convert hydrographic charts and tables until approximately 1995.

C.4.2 (Publications)

Softwood lumber publications, by forest products laboratories, will retain dual units until the U.S.A. lumber market converts (estimated 1985).

C.4.3 (Publications, Equipment)

Inland Waters Directorate measuring equipment and publications are not expected to be all metric until the end of 1980.

C.5 Indian Affairs and Northern Development

C.5.1 (Measurement Units)

The latest finish date for conversion of measurement units related to mining activity will be the end of December, 1980, i.e. 8 months later than the date shown on the bar chart.

C.6 Labour Canada

C.6.1 (Standards, Regulations)

Many regulations make reference to Canadian, U.S. and U.K. standards some of which may not be converted until December 1980 or later. Consequently, these regulations will, in those cases, be referring to, and therefore calling up, non-metric standards.

C.7 National Research Council of Canada

C.7.1 (Publications)

Most of the Division of Building Research publications were reissued in 1977 showing Canadian units but with an accompanying pamphlet giving metric conversion. All-metric publications in these fields will be issued in 1980, i.e., some 12 to 18 months behind the federal government planned date.

C.8 Royal Canadian Mounted Police

C.8.1 (Measurement units)

Earliest finish 1979-08-31; delay of 4 months.

C.8.2 (Equipment)

Earliest finish 1980-12-31, i.e., delay of 12 months, largely because of purchases from U.S. suppliers, e.g. firearms, aircraft, etc.

C.8.3 (Publications)

Earliest finish 1979-12-31, i.e., delay of 8 months.

C.8.4 (Training)

Earliest finish 1979-12-31, i.e. delay of 6 months.

C.9 Statistics Canada

C.9.1 (Publications)

By the end of 1978 all Statistics Canada publications will show all relevant amounts in SI. However, in the great majority of cases, imperial will be shown too, and will continue to be used until the end of 1979 or until there is a reasonable acceptance of metric by the users of our publications. Retention of an imperial option in Statistics Canada's questionnaires will be necessary for an even longer period to ensure an acceptable response to our surveys. In short, our ceasing to use non-metric units in our publications and questionnaires depends to a great extent on how fast the various sectors of the economy convert.

**Metric Commission Canada
Steering & Sector Committee Structure**

STEERING & SECTOR COMMITTEE STRUCTURE

DATE ISSUED
FEBRUARY 20, 1978
BY
RESEARCH & PLANNING DIRECTORATE

SECTOR NO.	SECTOR PLAN MANAGER	PLANNING MANAGER	SECTOR TITLE	SECTOR NO.	SECTOR PLAN MANAGER	PLANNING MANAGER	SECTOR TITLE	SECTOR NO.	SECTOR PLAN MANAGER	PLANNING MANAGER	SECTOR TITLE
STEERING COMMITTEE #1											
1.01	B	C	AIR TRANSPORT	5.01	10	H	CONSTRUCTION	7.10	1	A	TEXTILES
1.02	R	C	RAILWAY TRANSPORT	5.02	10	H	NON-METALLIC MINERAL PRODUCTS	7.20	1	A	CLOTHING
1.03	B	C	WATER TRANSPORT	5.03	10	H	STRUCTURAL & ARCHITECTURAL METALS	7.30	1	A	LEATHER (FOOTWEAR)
1.04	B	C	ROAD & URBAN TRANSPORT	5.05	10	H	REAL ESTATE, LAND SURVEYORS & TOWN PLANNERS	7.41	1	A	JEWELRY
1.07	R	C	METEOROLOGY	5.06	10	H	ROAD DESIGN, CONSTRUCTION & OPERATIONS	7.42	1	A	SPORTING GOODS
1.20	B	C	WORKING GROUP ON TARIFFS					7.43	1	A	TOYS
1.30	B	C	WORKING GROUP ON TRANSPORTATION PACKAGING					7.45	1	A	BRUSH, BROOM & MOP
								7.49	1	A	LUGGAGE & LEATHER GOODS
STEERING COMMITTEE #2											
2.04	6	B	MOTOR VEHICLE & PARTS MANUFACTURERS	61.01	4	E	BULK GRAIN HANDLING INDUSTRY				
2.05	6	B	TRUCK BODY & TRAILER MANUFACTURERS	61.02	4	E	FEED INDUSTRY				
2.06	6	B	RAILROAD ROLLING STOCK	61.03	4	E	POULTRY	8.10	9	D	FORESTRY
2.07	6	B	SHIPBUILDING & SHIP REPAIRING	61.05	4	E	HORTICULTURE				8.17 URBAN FORESTRY/ARBORICULTURE
2.08	14	G	HEATING, VENTILATING, AIR COND. & FOOD SERVICE EQUIPMENT	61.06	4	E	FISHING & FISH PRODUCTS	8.20	9	D	WOOD
	14	G	2.09 PLUMBING & HYDRONIC HEATING	61.08	4	E	SEED	8.30	9	D	FURNITURE & FIXTURES
2.10	15	B	IRON & STEEL MILLS & FOUNDRIES	61.09	4	E	TOBACCO FARMERS	8.45	9	D	PAPER & ALLIED IND. PRINTING & PUBLISHING
	15	B	2.11 FASTENERS INDUSTRY	61.10	4	E	TOBACCO PRODUCTS				
2.21	15	B	METAL STAMPING, FORMING, PRESSING, COATING								
2.22	14	G	CAN MANUFACTURERS								
2.23	14	G	COOKWARE & HOUSEWARES	62.02	12	F	CONFECTIONERY	9.10	2	0	HEALTH & WELFARE
2.24	14	G	HAND TOOLS & MEASURING DEVICES	62.03	12	F	MEAT PACKERS	9.21	2	0	AMUSEMENT & RECREATION
2.25	15	B	BUILDERS & HOME HARDWARE	62.04	12	F	DAIRY PROCESSORS	9.30	5	G	SERVICES TO BUSINESS MANAGEMENT
2.27	6	B	FIRE FIGHTING EQUIPMENT & OPERATION	62.05	12	F	FOOD PROCESSORS	9.40	5	G	ACCOMMODATION & FOOD SERVICES
2.28	6	B	WIRE & WIRE PRODUCTS	62.06	12	F	AGRICULTURE & PET FOODS	9.50	2	0	CONSUMERS, HOME ECONOMICS & RETAILING
2.31	6	B	CONSTRUCTION & AGRICULTURAL EQUIPMENT	62.07	12	F	BISCUITS	9.51	2	0	RETAIL TRADES
2.32	15	B	MACHINERY & FLUID POWER	62.08	12	F	EDIBLE OILS	9.60	5	G	LABOUR ORGANIZATIONS
2.33	15	B	METAL WORKING MACHINES, MACHINE SHOPS, TOOL & DIE SHOPS, CUTTING TOOLS	62.09	12	F	SUGAR	9.70	5	G	PERSONAL SERVICES
2.34	6	B	RECREATIONAL, OUTDOOR POWER & SPECIALIZED EQUIPMENT	62.10	12	F	BAKERS				
				62.11	12	F	TEA & COFFEE				
				62.13	12	F	MILLERS				
				62.21	12	F	COLD CEREALS	10.01	7	A	ELEMENTARY & SECONDARY SCHOOLS
				62.22	12	F	HOT CEREALS	10.03	7	A	POST SECONDARY NON-UNIVERSITY EDUCATION
				62.23	12	F	SPICES, EXTRACTS & FOOD COLOURING	10.04	7	A	UNIVERSITIES & COLLEGES
3.01	13	C	ELECTRICAL MANUFACTURERS	62.24	12	F	COLD BEVERAGES, MIXES & DRY DESSERT MIXES				
3.02	13	C	RADIO, TELEVISION, COMMUNICATION, ELECTRONIC EQUIPMENT & PARTS	62.25	12	F	CHOCOLATE DRINKS & COCOA POWDER				
3.03	16	C	AIRCRAFT & AIRCRAFT PARTS MANUFACTURERS	62.26	12	F	PASTA PRODUCTS				
3.04	16	C	BUSINESS MACHINES, SCIENTIFIC & PROFESSIONAL EQUIPMENT	62.27	12	F	BAKING MIXES				
3.05	13	C	COMMUNICATIONS	62.28	12	F	SNACK FOODS				
3.06	13	C	ELECTRIC POWER	62.29	12	F	RICE				
3.07	16	E	RUBBER PRODUCTS	62.31	12	F	SALT				
3.08	16	E	CHEMICALS & CHEMICAL PRODUCTS	62.50	12	F	WORKING GROUP ON PACKAGING				
3.09	16	E	PLASTICS INDUSTRY								
3.10	14	F	WORKING GROUP ON SCALES IN THE RETAIL FOOD INDUSTRY								
STEERING COMMITTEE #3											
STEERING COMMITTEE #4											
4.01	3	E	MINES	63.01	4	F	DISTILLED SPIRITS				
4.02	3	E	PETROLEUM & NATURAL GAS INDUSTRY & SERVICES	63.02	4	F	BREWERIES				
4.03	3	E	PETROLEUM REFINERIES, WHOLESALE & GASOLINE SERVICE STATIONS	63.03	4	F	SOFT DRINKS				
				63.04	4	F	WINE				
4.04	3	E	NATURAL GAS DISTRIBUTION & TRANSPORT	63.06	4	F	MINERAL WATER PRODUCERS				
4.05	3	E	NON-FERROUS METALS	63.08	4	F	CIDER				
STEERING COMMITTEE #5											
STEERING COMMITTEE #6 - AGRICULTURE, FISHING, TRAPPING											
STEERING COMMITTEE #62 - FOOD											
STEERING COMMITTEE #63 - BEVERAGES											
SECTOR STRUCTURE APPROVED BY THE METRIC COMMISSION CANADA											
SEPT. 15, 1976 (REV. JUNE 22, 1977 & DEC. 7, 1977)											
ASSIGNMENTS OF SECTORS											
TO SECTOR PLAN MANAGERS						TO PLANNING MANAGERS					
1 - ALFERS P.	9 - EARLE J.	A. - BERRY J.				2 - BENNETT J.	10 - FRIEDMAN I.	B. - BOISVERT C.			
3 - ROCKBURN C.A.	12 - MORIN B.R.	C. - DREYER D.				4 - CRAIG B.C.	13 - SWAIN G.	D. - ECCLESTONE G.			
5 - DECHMAN R.J.	14 - MASSINK B.	E. - COLVEN T.				6 - HALLE R.	15 - DON H.	F. - TALWAR K.			
7 - DESBARATS G.	16 - TROTTLER J.	G. - BANERJEE R.				8 - NEWMAN H.		H. - CIBI C.			

THIS TABLE IS BEING UPDATED EVERY TWO MONTHS AS NECESSARY

Interdepartmental Committee for

Metric Conversion

Roster of Members

Chairman

Mr. Hugh C. Douglas,
Chairman, ICMC,
Technology Branch,
Department of Industry, Trade and
Commerce,
240 Sparks Street,
Ottawa, Ontario. K1A 0H5
Telephone: 995-7151

Agriculture

Mr. Pat Gore,
Chief,
Research and Development,
Information Division,
Agriculture Canada,
Sir John Carling Building,
Ottawa, Ontario. K1A 0C7

Canada Employment and Immigration

Commission

Mr. Paul T. Harris,
Assistant Director, Information Services,
Canada Employment and Immigration
Commission
Third Floor, Bourque Building,
305 Rideau Street,
Ottawa, Ontario. K1A 0J9

Secretary

Mr. Hector I. King,
Secretary, ICMC,
Technology Branch,
Department of Industry, Trade and
Commerce,
240 Sparks Street,
Ottawa, Ontario. K1A 0H5
Telephone: 593-7881

Communications

Mr. W.E. Macklon,
Telecommunication Regulatory Service,
Operations Branch,
Department of Communications,
Section DOS-F6,
11th Floor, Journal Tower North,
300 Slater Street,
Ottawa, Ontario. K1A 0C8

Consumer & Corporate Affairs

Mr. John Buchanan,
Departmental Metric Coordinator,
Department of Consumer and Corporate
Affairs,
Standards Branch,
Holland Avenue
Tunney's Pasture,
Ottawa, Ontario. K1A 0C9

Energy, Mines & Resources

Dr. J.D. Keys,
Assistant Deputy Minister,
Science and Technology,
Department of Energy, Mines and
Resources,
580 Booth Street,
Ottawa, Ontario. K1A 0C9

Energy, Mines & Resources

Mr. G.D. Pearce,
Executive Assistant to ADM,
Science and Technology,
Department of Energy, Mines and
Resources,
580 Booth Street,
Ottawa, Ontario. K1A 0E4 (Alternate)

Environment Canada

Mr. R.E. Keen,
Chief, Metric Conversion Program,
Environment Canada,
396 Cooper Street,
Ottawa, Ontario. K1A 0W2

External Affairs

Mr. E.J. Wildman,
Head, Technical Services Section,
Materiel Management Division,
Department of External Affairs,
Tower "C", Third Floor,
Lester B. Pearson Building,
125 Sussex Drive,
Ottawa, Ontario. K1A 0G5

Finance

Mr. N.J. Heley,
Management Analysis Division,
Administration Services,
Department of Finance,
23rd Floor, Place Bell Canada,
Ottawa, Ontario. K1A 0G5

Indian Affairs and Northern

Development

Mr. André T. Côté,
Departmental Coordinator,
Metric Conversion,
Engineering and Architecture Branch,
Department of Indian Affairs and
Northern Development,
Journal Tower South, 18th Floor,
365 Laurier Avenue West,
Ottawa, Ontario. K1A 0H4

Indian Affairs and Northern

Development

Mr. P. Edridge,
Departmental Coordinator, Metric
Conversion,
Engineering and Architecture Branch,
Department of Indian Affairs and
Northern Development,
Journal Tower South,
365 Laurier Avenue West,
Ottawa, Ontario. K1A 0H4 (Alternate)

Justice

Mr. Denis Lefebvre,
Director,
Legal Services,
Department of Industry, Trade and
Commerce,
240 Sparks Street,
Ottawa, Ontario. K1A 0H5

Justice

Mr. L.R. Spiro,
Legal Services,
Department of Industry, Trade and
Commerce,
240 Sparks Street,
Ottawa, Ontario. K1A 0H5 (Alternate)

Justice

Mr. P.E. Johnson,
Director of Legal Services to the
Privy Council Office,
Room 2150,
West Memorial Building,
344 Wellington Street,
Ottawa, Ontario. K1A 0H8

Labour

Mr. G.E.S. Ayer, P. Eng.,
Chief, Technical Services,
Occupational Safety and Health
Branch,
Labour Canada,
Ottawa, Ontario. K1A 0J2

Labour

Mr. D.L. Campbell, P. Eng.,
Occupational Safety and Health
Branch,
Labour Canada,
Ottawa, Ontario. K1A 0J2

National Defence

Mr. A.L. Altwasser,
National Defence Headquarters,
9th Floor, North Tower,
101 Colonel By Drive,
Ottawa, Ontario. K1A 0K2

National Energy Board

Mr. J.R. Jenkins,
Director General Planning,
National Energy Board,
Trebla Building,
473 Albert Street,
Ottawa, Ontario K1A 0E5

National Health & Welfare

Mr. Fred W. Price,
Departmental Coordinator,
Metric Conversion,
Department of National Health and
Welfare,
Room 560, Brooke Claxton Building,
Ottawa, Ontario. K1A 0K9

National Research Council of Canada

Dr. H. Preston-Thomas,
Associate Director,
Division of Physics,
National Research Council of Canada,
Montreal Road Laboratories,
Ottawa, Ontario. K1A 0S1

Post Office

Mr. R.L. Sachdeva,
Manager, Metric Conversion Program,
Station 233,
Post Office Department Headquarters,
Ottawa, Ontario. K1A 0B1

Privy Council Office

Mrs. K. Gourlie,
Government Operations,
Privy Council Office,
Room 324, Langevin Block,
Ottawa, Ontario. K1A 0A3

Public Works

Mr. John Torrance,
Metric Conversion Project Manager,
Department of Public Works,
Sir Charles Tupper Building,
Ottawa, Ontario. K1A 0M2

Public Works

Mr. G.W. Baker,
Director, Facilities Maintenance,
Department of Public Works,
Room A-325,
Sir Charles Tupper Building,
Ottawa, Ontario. K1A 0M2 (Alternate)

Revenue Canada (Customs & Excise)

Mr. T.S. Vanalstine,
Head, Customs and Excise,
Metric Conversion Program,
Laboratory & Scientific Services
Division,
Revenue Canada, Customs & Excise,
Ottawa, Ontario. K1A 0L5

Revenue Canada (Taxation)

Mr. W.R. McColm,
Legislation Branch,
Revenue Canada, Taxation,
875 Heron Road,
Ottawa, Ontario. K1A 0L8

Regional and Economic Expansion

Mr. A. Lafond,
Director,
Administrative and Technical Services,
Department of Regional & Economic
Expansion,
Room 1363, 161 Laurier Avenue West,
Ottawa, Ontario. K1A 0M4

Regional and Economic Expansion

Mr. André St. Pierre,
Departmental Coordinator for Metric
Conversion,
Administrative and Technical Services,
Department of Regional and Economic
Expansion,
Room 1369,
161 Laurier Avenue West,
Ottawa, Ontario. K1A 0M4

Science and Technology Ministry
of State for

Dr. R.J. Guttormson,
Policy Analyst,
Ministry of State for Science
& Technology,
270 Albert Street,
Ottawa, Ontario. K1A 1A1

Secretary of State

Mr. Eric Preston,
Director,
Management Advisory Services,
Secretary of State Department,
Room 317, 151 Sparks Street,
Ottawa, Ontario. K1P 5E3

Solicitor General

Mr. Don Davis,
Metric Conversion Coordinator,
Canadian Penitentiary Service,
Sir Wilfred Laurier Building,
340 Laurier Avenue West,
Ottawa, Ontario. K1A 0P8

Supply and Services

Mr. W.E. Davis,
Director General,
Services Planning,
Department of Supply and Services,
16A1 Place du Portage, Phase 3,
11 Laurier Street,
Hull, Quebec.

Supply and Services

Mr. B.H. Maynard,
Director, Quality Assurance and
Standards Group,
Department of Supply and Services,
Place du Portage,
11 Laurier Street,
Hull, Quebec.

Supply and Services

Mr. P.M. Jones,
Chief, Operations Division,
Standards and Specifications Branch,
Department of Supply and Services,
Place du Portage, Phase 3,
Level 2BC,
11 Laurier Street,
Hull, Quebec.

Transport Canada

Mr. R.A. Steele,
Metric Coordinator,
Transport Canada,
Transport Canada Building, 13A,
Place de Ville,
Ottawa, Ontario. K1A 0N5

Treasury Board

Mr. C.G. Young,
Planning and Evaluation Division,
Administrative Policy Branch,
Treasury Board,
Place Bell Canada,
160 Elgin Street, Floor 21 North,
Ottawa, Ontario. K1A 0R5

Veterans Affairs

Mr. P.A. Champagne,
Director, Administrative Services,
Department of Veterans Affairs,
Veterans Affairs Building,
284 Wellington Street,
Ottawa, Ontario. K1A 0P4

Atomic Energy of Canada Limited

Mr. J.S. Nelles,
Head,
Industrial Cooperation,
Atomic Energy of Canada Limited,
Head Office,
Ottawa, Ontario. K1A 0S4

**Canadian International Development
Agency**

Mr. G.P. Webb,
Engineering Division,
Canadian International Development
Agency,
Jackson Building,
122 Bank Street,
Ottawa, Ontario. K1A 0G4

Canadian Transport Commission

Mr. Peter B. Curd,
Program Coordination & Corporate
Planning,
Canadian Transport Commission,
275 Slater Street,
Ottawa, Ontario. K1A 0N9 (Alternate)

Canadian Transport Commission

Mr. A. Antoine Caron,
Canadian Transport Commission,
Room 1828, Congill Building,
275 Slater Street,
Ottawa, Ontario. K1A 0N9 (Alternate)

**Central Mortgage & Housing
Corporation**

Mr. Lionel Loshak,
Project Manager,
Metric Program,
CMHC National Office,
Montreal Road,
Ottawa, Ontario. K1A 0P7

Commissioner of Official Languages

Mr. G. Edgar Charron,
Director of Administration,
Office of the Commissioner of Official
Languages,
11th Floor, 171 Slater Street,
Ottawa, Ontario. K1A 0T6

Metric Commission

Chairman,
Metric Commission,
240 Sparks Street, Floor 01 East,
Ottawa, Ontario. K1A 0H5

Metric Commission

The Director,
Intergovernmental Coordination,
Metric Commission,
240 Sparks Street, Floor 01 East,
Ottawa, Ontario. K1A 0H5

**National Farm Products Marketing
Council**

Ms. D. Shute,
Metric Coordinator,
National Farm Products Marketing
Council,
165 Sparks Street, 7th Floor,
Ottawa, Ontario. K1P 5B9

Royal Canadian Mounted Police

Inspector J. Aitken,
Metric Conversion Coordinator,
Royal Canadian Mounted Police,
5th Floor, Ident. Tower,
Box 8885,
Ottawa, Ontario. K1G 3M8

Standards Council of Canada

Mr. R.K. Odell,
Manager Standards Conversion Liaison,
Standards Council of Canada,
350 Sparks Street,
Ottawa, Ontario. K1R 7S8

Statistics Canada

Mr. J. MacKinnon,
Coordinator, Metric Conversion,
Statistics Canada,
Main Statistics Canada Building,
Room 2017,
Tunney's Pasture,
Ottawa, Ontario. K1A 0T6

Interdepartmental Committee for

Metric Conversion

Roster of Corresponding Members

Insurance

Mr. J.D. Hughes,
Director,
Administration Branch,
15th Floor, L'Esplanade Laurier,
(East Tower),
140 O'Connor Street,
Ottawa, Ontario. K1A 0H2

Atlantic Development Council

Mr. J.L. Miller,
Executive Director,
Atlantic Development Council,
Ashley Building,
St. John's, Newfoundland. A1B 2C9

Atomic Energy Control Board

Mr. R.W. Blackburn,
Secretary,
Atomic Energy Control Board,
P.O. Box 1046,
Ottawa, Ontario. K1P 5S9

Urban Affairs

Ms. M. Hirsch,
Chief, Information Resource Service,
Communications Branch,
Ministry of State for Urban Affairs,
373 Sussex Drive,
Ottawa, Ontario. K1A 0P6

Auditor General's Office

Mrs. L. Lecompte,
Office of the Auditor General,
Metropolitan Life Building,
3rd Floor, Northwest Corner,
195 Sparks Street,
Ottawa, Ontario. K1A 0G6

Bank of Canada

Mr. J.S. Roberts,
Secretary,
Bank of Canada,
234 Wellington Street,
Ottawa, Ontario.

Canadian Broadcasting Corporation

Mr. Harold A.J. Isaacs,
Operations Development Department,
Canadian Broadcasting Corporation,
7925 Côte St. Luc Road,
Montreal, Quebec. H4W 1R5

**Canadian Council on Rural
Development**

Mr. G. Steele,
Executive Director,
Canadian Council on Rural
Development,
Room 461,
Sir Guy Carleton Building,
161 Laurier Avenue West,
Ottawa, Ontario. K1A 0M4

**Canadian Film Development
Corporation**

Mr. Michael D. Spencer,
Executive Director,
Canadian Film Development
Corporation,
Suite 2220, P.O. Box 71,
Tour de la Bourse,
Montreal, Quebec. H4Z 1A8

**Canadian Radio-Television and
Telecommunications Commission**

Mr. Desmond Lostus,
Director,
Planning and Development Branch,
Canadian Radio-Television and
Telecommunications Commission,
Berger Building, 100 Metcalfe Street,
Ottawa, Ontario. K1A 0N2

Canadian Wheat Board

Mr. F.D. Jefferson,
Director of Technical Services,
Management Information Services
Division,
Canadian Wheat Board,
P.O. Box 816,
Winnipeg, Manitoba. R3C 2P5

Cape Breton Development Corporation

Mr. Douglas Pembroke,
Metric Coordinator,
Cape Breton Development Corporation,
P.O. Box 2500,
Sydney, Nova Scotia.

Chief Electoral Officer

Mr. John P. Dewis,
Assistant Chief Electoral Officer,
440 Coventry Road,
Ottawa, Ontario. K1A 0M6

Economic Council of Canada

Dr. William E. Haviland,
Secretary,
Economic Council of Canada,
P.O. Box 527,
Ottawa, Ontario. K1P 5V6

House of Commons

Mr. A. Fraser,
Clerk of the House,
House of Commons,
Parliament Buildings,
Ottawa, Ontario. K1A 0A6

International Joint Commission

Mr. M.W. Thompson,
Engineering Adviser to the
International Joint Commission,
Suite 850, Burnside Building,
151 Slater Street,
Ottawa, Ontario. K1P 5H3

Law Reform Commission of Canada

Mr. Jean Côté,
Secretary,
Law Reform Commission of Canada,
130 Albert Street,
Ottawa, Ontario. K1A 0L6

Library of Parliament

Mr. A.E. Luxton,
Director,
Administration and Personnel,
Library of Parliament,
Ottawa, Ontario. K1A 0H5

Medical Research Council

Dr. J.M. Roxburgh,
Secretary,
Medical Research Council,
General Purpose Building,
Tunney's Pasture,
Ottawa, Ontario. K1A 0W9

Metric Commission

Mr. F. Buser,
Metric Commission,
240 Sparks Street, Floor 01 East,
Ottawa, Ontario. K1A 0H5

National Arts Centre

Mr. Christian Gurney,
Director of Operations,
National Arts Centre,
Confederation Square,
Ottawa, Ontario. K1P 5W1

National Capital Commission

Mr. C.R. MacDonald,
Chief Engineer,
National Capital Commission,
48 Rideau Street,
Ottawa, Ontario. K1N 8K5

National Gallery of Canada

Mr. J. MacGregor Grant,
Restoration & Conservation
Laboratory,
National Gallery of Canada,
Lorne Building,
Ottawa, Ontario. K1A 0M8

National Film Board

Mr. John Fley,
National Film Board of Canada,
Technical Research Division,
P.O. Box 6100, Station "A",
Montreal, Quebec. H3C 3H5

National Museums of Canada

Mr. R.J. Herring,
Assistant Secretary-General,
Planning and Administration,
National Museums of Canada,
1000 Century Building,
Ottawa, Ontario. K1A 0M8

**New Brunswick Multiplex
Corporation Ltd.**

Mr. J.G. Grandon,
Director of Physical Planning,
Saint John Fundy Region Development
Commission Inc.,
P.O. Box 1971,
Saint John, N.B. E2L 4L1

**Newfoundland and Labrador
Development Corporation
Limited**

Mr. Peter Marchand,
Treasurer,
Newfoundland & Labrador
Development Corporation
Limited,
P.O. Box 1738,
St. John's, Newfoundland. A1C 5P5

**Prairie Farm Rehabilitation
Administration**

Dr. H.M. Hill,
Director,
Prairie Farm Rehabilitation
Administration,
401 Motherwell Building,
1910 Victoria Street,
Regina, Saskatchewan. S4P 0R5

Public Service Commission

Mr. D.J. McLewin,
Director, Administration Directorate,
Public Service Commission,
Room 917, L'Esplanade Laurier,
300 Laurier Avenue,
Ottawa, Ontario. K1A 0M7

**Public Archives and National
Library**

Mr. S.F. Blackburn,
Chief,
Administrative Services Division
Departments of Public Archives and
National Library,
Room 125, 395 Wellington Street,
Ottawa, Ontario. K1A 0N4

Public Service Staff Relations

Mr. G. Brisson,
Chief, General Services,
Public Service Staff Relations
Board,
P.O. Box 1525,
Ottawa, Ontario. K1A 5V2

Representation Commissioner

Mr. J.L. Roy,
Administrator to the Representation
Commissioner,
440 Coventry Road,
Ottawa, Ontario. K1A 0R7

Science Council of Canada

Mr. J. Basuk,
Secretary,
Science Council of Canada,
Kent-Albert Building,
150 Kent Street,
Ottawa, Ontario. K1P 5P4

Senate of Canada, The

Mr. J. Walter Dean,
Director of Administration and
The Senate of Canada,
Room 183-S, Centre Block,
Parliament Buildings,
Ottawa, Ontario. K1A 0A4

Supply and Services

Mr. R.F. Blasius,
Director, Standards Division,
Advisory Bureau for Computing,
Department of Supply and Services,
Room 1210, Lord Elgin Plaza,
66 Slater Street,
Ottawa, Ontario. K1A 0T5

Tariff Board

Mr. J.E. Lafrance,
Tariff Board,
365 Laurier Avenue West,
Ottawa, Ontario. K1A 0G7

Tax Review Board

Mr. P.H. McCann,
Registrar,
Tax Review Board,
381 Kent Street,
Ottawa, Ontario. K1A 0M1

Veterans Land Act

The Director General,
Veterans Land Act,
DVA Building, Room 4116,
Ottawa, Ontario. K1A 0P4

Government of N.W.T.

Ms. Carolyn McCabe,
Metric Coordinator,
Department of Planning and
Program Evaluation,
Government of the N.W.T.
Yellowknife, N.W.T. X1A 2L9

Government of Y.T.

Mr. H.A. Dell,
Department of Highways and
Public Works,
Box 2703,
Whitehorse, Y.T.

Northern Canada Power Commission

Mr. J. Long,
A.G.M. Planning & Development,
P.O. Box 5700, Station J.L.,
Edmonton, Alberta. T6C 4J8

Design Canada

Mr. George Baril,
Industrial Design Consultant,
Special Projects Division,
Design Canada,
Department of Industry, Trade and
Commerce,
240 Sparks Street,
Ottawa, Ontario. K1A 0H5

Export Development Corporation

Mr. Robert M. van Eyk,
Senior Planning Analyst,
Export Development Corporation,
Box 655,
Ottawa, Ontario. K1P 5T9

