NATIONAL DATABASE SYSTEM FOR WOMEN IN TRADES AND TECHNOLOGY

WITT (Women in Trades and Technology) is proposing the establishment of a national database to record and track the training and employment of women in those non-traditional occupations classified as trades and technologies.

BACKGROUNDS:
Women have been trained in trades and technologies by CEIC since the seventies. The recording and tracking of their training and employment has been insufficient both for government needs and for the needs of the WITT associations.

In Manitoba, a regional system has been set up which is a beginning but which may not reflect CEIC's needs, e.g. there are no CCDOs attached to the Manitoba information, although government subsidy is traced.

In other regions, informal lists of tradeswomen and technologist have been kept by WITT associations, but the lists are outdated and inadequate for statistical purposes.

PROPOSAL DESCRIPTION:
WITT is proposing that CEIC contract on a startup and subsequent fee for service basis to WITT for the recording and generation of reports which reflect regional statistics for women trained and employed in trades and technologies.

The implementation process can take place in four phases: Needs Assessment, Program and Manual Development, Capital Cost, and Regional Training.

Phase I - Needs Assessment
From the existing retrieval systems, both at CEIC and inside the WITT associations, and the reporting format requested by CEIC the information needs can be determined. This will include CCDOs and a description of what occupations fall into the category of trades and technologies (e.g. truck drivers would be included). Since the apprenticeable trades differ from province to province a national inclusive standard would have to be developed.

Tracking would include training and employment. A statistical format which reflects an individual's employment history is necessary, whether she works in or out of her trade. The latter can be reflected by coding as employed

other for example.

Phase II - Program and Manual Development
It is suggested that on a regional basis, a programmable
database such as dBase III+ be utilized. Once the needs
assessment is done, the program can be written and a
specialized manual developed for use at regional centres.

Because the equipment will also have on-time capabilities a
simple training manual in the use of Carbon Copy or Procomm
will also need to be developed so regional centres can
readily access the central computer.

The on-line system allows for the transfer and downloading of
information whether it be a change of address, a move from
one province to another, or a national compilation of current
information on a regular basis. This also allows for
national changes in information gathering to be implemented
easily.

A scenario would look like this: A person wishes to access a
list of tradeswomen in Alberta. The user dials up the
headquarters computer. The host computer answers with a menu
of options. The user chooses the LIST option and then the
province ALBERTA. The user chooses to download to her floppy
disk. After the transfer is complete, the user prints out
the list on the regional office printer. Costs for the
transfer include on-line long distance charges, use of
equipment and costs for medium (paper and floppy disk).

Phase III - Capital Cost
It is recommended that seven (7) regional centres be
developed initially - Vancouver, Edmonton, Regina, Winnipeg,
Toronto, Montreal, and Halifax. The system at headquarters
will need to be set up first. There are two alternatives for
headquarters, either at CEIC in Ottawa, or some other
location which can serve as the host computer.

Equipment needs regionally include:
        IBM PC compatible with minimum of 640k RAM memory
        1 disk drive - either 5 1/4" or 3 1/2"
        Internal or external modem of between 1200 and 9600 bps
        Internal hard disk
        Dot matrix printer with long carriage

Software needs regionally are:
        dBase III+

A Communications program such as Carbon Copy or
Procomm (the other alternative is a bulletin board   system)
    A word processing program such as Word Perfect

Headquarters needs include the same software and:
    IBM 386 level computer
    1 3 1/2" and 1 5 1/4" drives
    Modem of 9600 bps
    100 megabyte hard disk with tape backup
    At least two incoming telephone lines for access

Phase IV - Regional Training
It is strongly recommended that a local person with technical
ability be identified in each centre to be trained and
subsequently train local people to carry out the information
gathering and processing.

Once the headquarters system and the infrastructure of the
regional centres are in place, one 3-day training session for
regional people can take place. The workshop will include
how to train others.

BUDGET

Phase I-	2 months salary at $41,000 per annum	$ 7,000
	Administration at 20%	1,400
	SUBTOTAL	$ 8,400
Phase II-	3 months salary at $41,000	10,500
	Administration at 20%	2,100
	SUBTOTAL	12,600
Phase III-	Regional Equipment	
	7 at $4,300	30,100
	Software - 7 at $1,100	7,700
	*Headquarters equipment	10,000
	1 month salary	3,500
	Administration at 20%	700
	SUBTOTAL	$52,000
Phase IV-	2 months salary	7,000
	Administration	1,400
	Travel - 7 at $500	3,500
	Accommodation - 7 at $60	420
	SUBTOTAL	$12,320
TOTAL		$85,320

*Headquarters equipment may already be in place which reduces the capital cost by $10,000, but the charge for setup in house would remain.