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AUTHOR Hendricks, Bruce; Cooney, Dan
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ABSTRACT

This paper provides practical information to help experiential educators from varying backgrounds effectively use program evaluation. Program evaluation uses specific and systematic procedures that result in findings that are useful to decision makers for achieving program goals. The purpose of any program review process must be clear, including accountability, program improvement, information dissemination, and theory generation. This paper outlines a model of evaluation that is both simple to use and easily adapted to a variety of situations and purposes. This model includes: (1) establishing terms of reference; (2) gathering data; (3) developing an interim report; (4) developing an action plan; (5) presenting a final report; (6) implementing the action plan; and (7) following up. A list of data-gathering tools is included. Three factors affecting the outcome of any review are: the purpose of the program review, who conducts the program review, and who will use the results and when. Other suggestions for conducting program reviews include anticipating roadblocks to evaluation before the review process begins, structuring a time frame for the review process, and developing terms of reference for data gathering. An example of terms of reference designed for the review of a school physical education program is provided. (LP)

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CHARTING THE FUTURE; PROGRAM REVIEW & EVALUATION AS TOOLS FOR GROWTH

Bruce Hendricks
University of Calgary
Faculty of Physical Education & Recreation
2500 University Drive
Calgary, Alberta T2N 3E4
(403) 220-7547

Dan Cooney
Alberta Education
1200 Rocky Mountain Plaza
615 Macleod Trail S.E.
Calgary, Alberta T2G 4T8
(403) 297-6353 • FAX (403) 297-3842

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The primary purpose of evaluation is not to prove but to improve

Stufflebeam & Guba

The educational innovator usually has to design an evaluation without much professional advice, conduct it with limited resources, and defend it without the advantage of comparisons to conventional approaches that have been similarly evaluated.

S. Hamilton

Introduction

Program evaluation is an oft-times delicate and intimidating subject. It is seen by many as something that someone else 'does to you'. In this presentation we want to provide a brief background regarding the various purposes and methods that evaluation can serve but primarily we want to provide practical information and experience to help experiential educators from a wide spectrum of backgrounds use evaluation as a means to chart their future.

Wisely charting the future requires an assessment of past and present and an examination of assumptions about what is likely to occur in the future. A program evaluation can help address such questions and consequently inform planning so that it is based on what has been discovered, what has been confirmed and what is anticipated. The overall purpose of a well constructed and conducted evaluation is service; service to the organization, its stakeholders and its clients. Evaluation serves the needs of a program by providing information that is useful for making practical choices regarding quality and effectiveness.

Our goal in this workshop is *not* to provide a crash course in research-oriented educational evaluation but to provide some tools, germinal experiences and additional resources that can help you as an experiential educator develop and conduct a program review that is thorough, realistic and useable.

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What is Evaluation?

Evaluation in its many forms has a long history. From time immemorial people have judged the quality and effectiveness of things and have assigned value accordingly. Methods of hunting, ways of treating illness and injury, training for sport, approaches to human interaction, art and wilderness leadership have all been hot topics of formal or informal debate and evaluation. Today we talk of evaluating outdoor leaders as a prerequisite to giving them a stamp of approval such as certification. Such behavior is hardly new. Over 4,000 years ago the Chinese evaluated key public officials every three years to determine their fitness for office. As individuals involved in experiential education programs we are concerned about the effectiveness of what we do. Sometimes we need to justify the value of our efforts to outsiders. Evaluation is one way of establishing the worth of something such as a novel educational approach. But what exactly is evaluation?

Evaluation as we will be addressing it in this workshop is a systematic, 'formal' assessment of the quality and effectiveness of a particular program . However, a few additional words of clarification are in order. Because of an abundance of negative baggage associated with the term "evaluation" there has been a widespread shift to the use of other terms which have a similar meaning but a less threatening demeanor. *Review* and *assessment* are several of the evaluation synonyms that have gained popular usage. For many, the term evaluation conjures up the image of Dagwood Bumstead's boss Mr. Dithers, giving evaluative feedback at the top of his lungs. The purpose of such 'evaluation' is to embarrass and humiliate. The idea, so the reasoning goes, is to motivate individuals or programs to do a better job by showing them how much room there is for improvement. Generally, however, this deficiency approach to evaluation is just plain demoralizing. Evaluation is not only concerned with pointing out what could be done better it also strives to highlight where a program's strengths lie. *For our purposes we will use the term program review interchangeably with evaluation to refer to the assessment of a program using specific and systematic procedures which result in findings that are useful to decision makers for the purpose of helping them better shape and achieve their goals.*

Purposes of Evaluation

Sergiovanni (1987) has proposed three basic categories to explain the reasons why evaluations should be undertaken and what primary purposes they can serve.

- Quality control - insuring program goals are being achieved in a manner consistent with program values and that outcomes or inputs which are unintended but positive and important are recognized.

- Professional development - helping individuals involved in planning and delivering the program to grow personally and professionally by continually expanding and enhancing their own knowledge, skills and attitudes.

- Motivation of individuals involved in the program - building and nurturing motivation and commitment to the program and its goals. This includes the program's ability to take care of its employees.

Sergiovanni's categories recognize the fact that there are a great many reasons to conduct a program review and that understanding the purpose of a review is the first step in determining its effectiveness.

Experiential educators conduct program reviews to answer different questions; field supervisors want to know what program elements are effective and which elements can be improved on; field staff want participant feedback on their effectiveness as teacher, facilitator and outdoor leader; the board of directors is concerned about the thoroughness and effectiveness of safety procedures for both program facilities and field operations; the administrator is curious how their program measures up to other similar programs in the field. Like-wise there are those who may want to discredit a program or conversely to promote it; both see a review as a means of justifying their own particular action or position.

Because of widely disparate intentions it is imperative for all stakeholders concerned to be sure of the real purpose of any program review process. This requires personal and political acumen. Ideally the results of a review will inform and influence decision makers, but in reality if the findings are not in keeping with the opinions of those who requested or required the review the results may be conveniently misplaced for a few millennia and the desired course of action taken irrespective of the review results.

It is equally important to be sure of purpose when requesting or conducting a review. What do you want to accomplish or find out? How will the program review results help you in this regard? What form of finished report will be easiest to use? Who will see the finished review? What action will be taken and who will take responsibility for it? Poor definition of purpose is a recipe for misunderstanding, resentment, defensiveness and general disregard for the findings. Some of the purposes for a program review are categorized below.

ACCOUNTABILITY TO:

- program staff
- participants/clients
- funding sources (government, private agencies, taxpayers, sponsors)
- governing bodies (government, schoolboards, professional groups)
- board of directors
- parent organizations

PROGRAM IMPROVEMENT THROUGH:

- revising program goals and objectives
- increased recognition and understanding of successful strategies already in use
- assessment of intended or unintended outcomes (performance)
- more efficient and economical operation
- establishing or improving community contacts
- identification of staff training needs & desires
- improving logistical procedures
- improving equipment selection, use and maintenance
- updating program content information or delivery methods

INFORMATION DISSEMINATION

- networking with peers involved in the review process
- highlighting the effectiveness of experiential education to an audience beyond ellow practitioners
- lobbying for the inclusion of experiential education in more traditionally styled

programs

THEORY GENERATION
- developing an understanding of the experiential education process instead of looking only at its outcomes

Methods of Evaluation

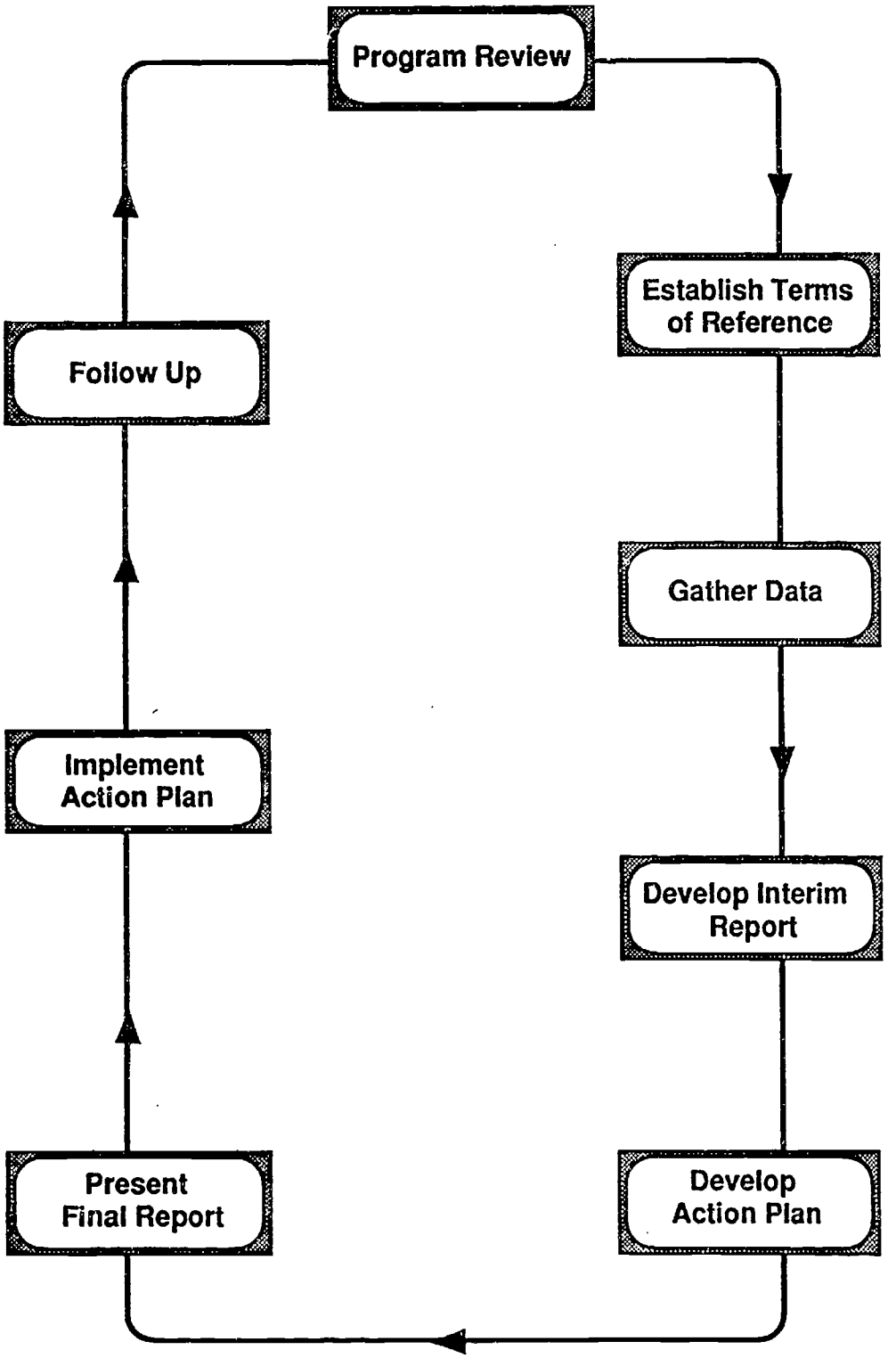
There are many reasons for conducting a program review and there are many ways of going about the review itself. Many of the formal and informal evaluation methods and data gathering tools used in experiential education have their roots in the field of educational evaluation. There are a great many comprehensive evaluation methods that can be used to conduct a review. Some are quite simple while others are unlikely to be used by any other than a trained educational evaluator and a specialist support team. There is a definite difference between statistics oriented, large scale evaluations focused on nation-wide educational programs and conducted by trained evaluation teams and the less formal evaluation done by a program administrator of their own program. The latter however is closer to reality for most experiential educators. The question becomes one of doing the best possible program review with the available resources. The hardest to come by resources are usually time, money and trained evaluators. For this reason we have chosen to focus on a model of evaluation that is both simple to use and easily adapted to a variety of situations and purposes (see the accompanying model *The Program Review Process*) and which incorporates data gathering tools from several of the more popular and widely used evaluation methods. It is a process we use personally and which we find practical with a wide spectrum of programs and people.
Having stated our own preference and focus it is important to note that there are an amazing number of evaluation models out there and the curious amongst you are encouraged to consult the second edition of W. James Popham's witty and thorough text *Educational Evaluation* for more information. We have also included a *References* section (an expanded resource list will be presented at the workshop itself) that provides further materials for investigation.

Data Gathering Tools

Models are the large scale methods of program evaluation. The smaller scale methods are usually referred to as data gathering tools. They are simply a way of collecting information that can be analyzed. The review process may include many data gathering tools, tools which come in all shapes and sizes. Many of those listed below will probably be familiar to you in one form or another.

- participant observations
- review of documentation
- performance tests
- criterion referenced tests
- questionnaires
- interviews (recorded, videoed or written), individual (participants, instructor-teachers, administrators etc.) group
- instructor/teacher self assessments
- journal analysis
- site assessment
- at-task analysis
- instructional strategy analysis
- "in-flight" corrections

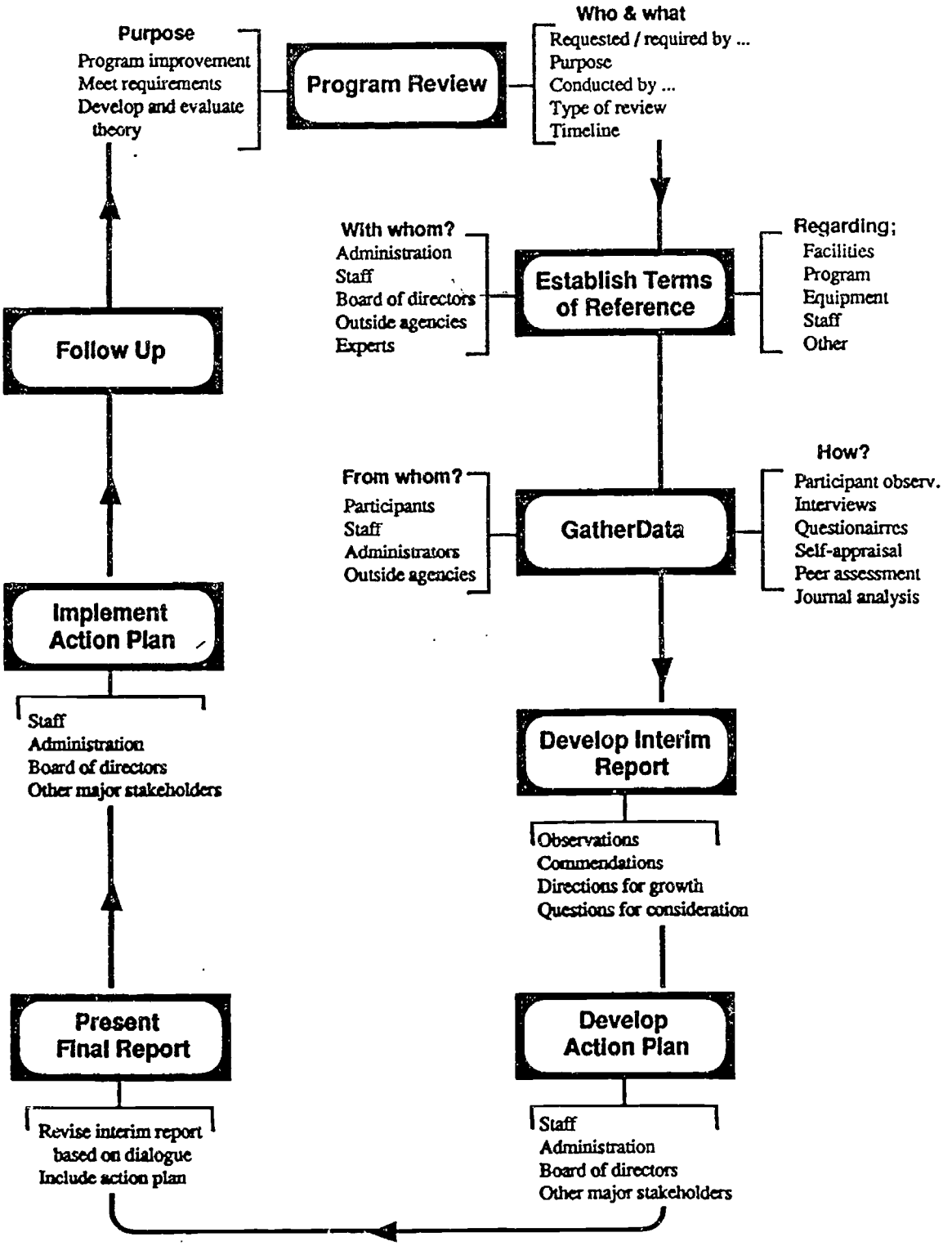
The Program Review Process
simplied version
as per Cooney & Hendricks



The Program Review Process

expanded version

as per Cooney & Henricks



Conductors and Consumers of Evaluation

Much of the value of a program review has to do with who conducts the review and who requests or requires it.

conductors	*consumers*
program director	staff
director and staff team	administration
outside experts	board of directors
peers in the field	funding sources
professional evaluator	government

Even when the purpose of a program review has been made explicit the possibilities for hidden agendas are rife. No reviewer is a perfectly unbiased observer but the quality of the reviewer is mirrored by the value of the evaluation results. Especially when reviews are conducted internally but their results circulated externally there is the possibility of reviewers not seeing or reporting those things that might reflect unfavorably on the program.

Three factors will affect the outcome of any review:

1. The purpose of the program review - if the stated purpose of a program review is ambiguous or a blatant misrepresentation of reality the results are likely to be worthless and unusable. Specific and manageable terms of reference generated collaboratively are the ideal.

2. Who conducts the program review - it is crucial to identify reviewers who can accomplish the stated purpose in an efficient and effective manner. They may be drawn from within the program itself, from peers outside the program or from some agency such as a department of education or a professional group (Hamilton, 1980; Duckett, Strother & Gephart, 1982).

3. Who will use the results and when - it is important that the reviewers understand not only the purpose of the review but also who it will be used by and when. If the final report will be used by the board of directors to make decisions regarding capital expenditures then they must receive the final draft with enough time to review it prior to their annual meeting rather than receiving it three days after the meeting is over. Likewise if the final report is to be used by paperwork swamped administrators it must be formatted in a way that makes it quick and easy to read but which includes enough detail to be useful for decision making.

Roadblocks in Evaluation

There are many potential roadblocks to evaluation. Identifying the most imposing of these before the review begins will go a long way toward alleviating problems down the road. Try and address the major roadblocks when designing the review. Many times this is a matter of inclusion; including those individuals or stakeholders directly affected by the review so as to give them ownership and input. There is much less resistance to and fear of a review which people have had a personal hand in developing. Here is a starter list of roadblocks previous groups and

individuals have identified as problems for them.

1. Time - When can I do it? I'm too busy.
2. Disruption of programming.
3. Fear among staff about intent - hidden agendas.
4. What is the pay-off? What is the cost?
5. Who will benefit from the evaluation?
6. Others - add your own.

Timelines

Timelines provide a structure to help insure that a program review doesn't turn into a ten year project. In addition to a specific time frame for completion make sure that the individual or group responsible for a particular task is identified. Develop the time frame with careful reference to the programs operating time frame. For instance when looking at a mountain based adventure education program don't schedule field observations for the first week of courses when staff are still getting used to one another and trying to determine how they "fit" within the program. Once again check your plans with the relevant stakeholders (field staff, administrators, teachers etc.) to make sure you haven't overlooked anything major. Listed below is a sample time frame.

•	Staff ratify terms of reference, evaluation process and timeline.	April 15
•	Review team established based on program input	April 30
•	Meeting with program members (staff, administration, board etc.)	May 30
•	Staff completes self-appraisal	June 15
•	On-site visits and data gathering	July 1 - August 1
•	Review team meeting to develop draft report	August 5
•	Draft report presented to program	August 15
•	Review of draft report and development of action plan by program	August 20
•	Discussion of report, necessary changes made and action plan included to yield final report which is distributed	Sept 15
*	This is a suggested timeline. Dates may change depending upon availability of teachers, instructors, reviewers etc.	

Terms of Reference

The terms of reference are data gathering guidelines which provide agreed upon parameters for the review process. They are also a statement of purpose in more specific terms. They specify what will be evaluated and by what standards. This can go a long way toward making the reviewer's job more manageable and as a result making the final report more relevant and useful. The terms of reference shown below were designed for the review of a school physical education program which placed an emphasis on outdoor pursuits.

A. Program

Are the 'thrusts' of the physical education curriculum guides in place? e. g.;

- are the various dimensions being offered (aquatics, dance, fitness, gymnastics, individual activities and outdoor pursuits)? What is offered?
- is the movement approach being addressed at the elementary level? How is it implemented?
- is the levels approach being used at the secondary level? How is it implemented?

B. Planning

- What statements are made regarding philosophy, goals, objectives, outcomes?
- What instructional planning is in place? e.g. year, unit, daily documents, teaching resources.

C. Balance

- What is the balance of time for activities offered in each dimension?

D. Instructional Strategies

- What strategies re being used? Are they effective?

E. Student Evaluation

- What are the criteria? Are they appropriate? How are they communicated? How are they assessed?

F. Intramurals

- What activities, clubs, special days and self-directed activities are being offered?

G. Professional Development

- What plans exist? How are PD experiences coordinated between divisions?

H. Work Environment

- What are the arrangements for facilities, office space, showers etc.?

Program Review Tips and Strategies

1. Clearly state the purpose of the review. Set specific objectives. What is going to be reviewed and how?
2. Keep the number of things being looked at to a manageable level.
3. Selection and training of evaluation team members is important. Training should focus on the skills of planning, communication, observation, analysis, problem-solving and conflict resolution in addition to knowledge about and experience with the content area.
4. Feedback of a general nature is useless. e.g. "lacks organization". Be specific enough to meet the client's needs giving observed examples to illustrate your points.
5. Insure that the final report is presented in a format and manner that is useful to the client.
6. Timing is important. This is true for planning observations, presenting feedback and scheduling release of the reports to cite only a few examples.
7. Involve staff in the process of selecting the terms of reference and give them a say in the steps of the review.
8. Evaluators should strive to make the review process as collaborative between evaluators and program members as possible.

Conclusion

The Program Review Process is a valuable and realistic means by which programs can assess specific aspects of their operation and thereby help chart their course into the future. There are many purposes for doing a program review and many individuals or combinations of individuals who may serve as conductors of the review process. The conductors may come from within the organization itself, from without or a combination of the two.

There are many methods that may be used to carry out an evaluation. *The Program Review Process* has been presented as a straightforward and adaptable method which can be modified to meet a diversity of needs. The process presented is not meant to be a research method tested for reliability and validity. Instead it is designed to be a practical and useable tool to aid individuals and organizations in finding out more about their program.

There are certainly limitations to evaluation. One reality in the world of evaluation is that of politics and hidden agendas. For this reason understanding and making explicit the real purpose of an evaluation is paramount to its effectiveness. This is not always possible and in such cases evaluation may be no more than a show piece that serves the interests of one particular stakeholder. Other evaluation limitations include lack of money, lack of time, poor timing, poor collaboration with stakeholders during the evaluation design, terms of reference that are too broad and ineffective evaluators. However, the *Program Review Process* is designed to help you construct and conduct an evaluation that fits your needs and resources. When used carefully it will greatly facilitate a well designed and conducted review. Good luck in your efforts.

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