



### Other References

Scott B. Parry, Just What Is a Competency?(And Why Should You Care?), TRAINING Magazine, Jun. 1998 issue, article beginning at p. 58 (5 pages total including magazine cover). cited by other .

Andrew L. Klein, Validity and reliability for competency-based systems: Reducing litigation risks, global computer network download printout, Copyright 1998, Infonautics Corporation, (11 pages total). cited by other .

Article from USA WEEKEND entitled Working Smart, Oct. 2-4, 1998, edition, pp. 4-5. cited by other .

LOMA's Competency Dictionary, cover page, inside cover page with 1998 copyright notice, and table of contents, and three pages therefrom (6 pages total). cited by other .

Stephen C. Schoonover, Competencies for the Year 2000, IA professional's Toolkit for Performance Development, The Schoonover Group, Cover page, inside cover page, page I with copyright notice of 1998, page iii table of contents, back cover page listing The Schnoonover Group as publisher, (5 pages total). cited by other .

Daniel Goleman, Emotional Intelligence, cover page and table of contents (3 pages total). cited by other .

Daniel Goleman, Working with Emotional Intelligence, cover page and table of contents (3 pages total). cited by other .

Bradford D. Smart, Top grading--How Leading Companies Win by Hiring, Coaching and Keeping the Best People, cover page and table of contents (3 pages total). cited by other .

Performance Skills Leader, Participant Package, Human Technology, Inc., HRD Press, 11 pages. cited by other .

Factsheet, DDI Development Dimensions International, Leadership Development Through Assessment Centers, copyright MCMXCIII, 2 pages. cited by other .

The Leadership Architect.RTM. Suite of Integrated Tools, Lominer Limited, Inc., copyright 1995, Michael M. Lomabrdo & Robert W. Eichinger, cover page, insider cover page, p. 1 table of contents, pp. 7-14 (11 total pages). cited by other .

Skillscape, Competency Manager.TM., cover page, inside cover page, three additional pages (5 total pages: 3318 Oak Street, Suite 19, Victoria, B.C., Canada V8X 1R1. cited by other .

Skillscape, Overview of Skillscape Competency Manager.TM., cover page, table of contents, and pp. 1-15 (17 total pages); 3318 Oak Street, Suite 19, Victoria, B.C., Canada V8X 1R1. cited by other.

*Primary Examiner:* Jeanty; Romain

*Attorney, Agent or Firm:* McKee, Voorhees & Sease, P.L.C.

---

### *Parent Case Text*

---

#### I. CROSS-REFERENCE TO RELATED APPLICATION

This application claims the benefit of U.S. Provisional Application Ser. No. 60/115,300 filed Jan. 8, 1999.

#### II. INCORPORATION BY REFERENCE

The entire contents of U.S. Pat. No. 5,551,880, issued Sep. 3, 1996, are incorporated by reference herein.

---

### *Claims*

---

The invention claimed is:

1. A method of evaluating potential job performance of applicants or existing employees for a specific job, comprising: (a) defining a set of competencies relevant to performance in the specific job; (b) ranking the set of competencies in order of importance for the specific job to provide a set of defined job characteristics for the specific job; (c) surveying a set of high-performing individuals in the specific job to ascertain if they possess the competencies specified by the job to validate the set of competencies defined for the specific job; (d) preparing a report regarding ranking of the set of defined job characteristics; (e) providing a set of proposed interview questions related to the set of defined job characteristics to assist hiring authorities to plan structured selection interviews; (f) surveying an applicant or existing employee regarding said job to ascertain how said applicant or existing employee demonstrates said set of defined job characteristics; and (g) reporting a comparison of potential performance of the applicant or existing employee for specific job based upon the applicant's or existing employee's demonstration of said defined job characteristics.
2. The method of claim 1 wherein the set of high performing individuals comprises one or more persons.
3. The method of claim 1 further comprising surveying a potential applicant for said job to derive how said characteristics relate to said potential applicant.
4. The method of claim 3 further comprising comparing the surveying of the potential applicant with the surveying of the set of high performing individuals.
5. The method of claim 1 wherein the existing employees include the set comprising employees in said job, employees subordinate to said job, employees superior to said job, customers interfacing with said job, and peers to said job.
6. The method of claim 5 further comprising surveying a set of existing employees regarding said job to derive how said existing employees demonstrate said characteristics relative to said job.
7. The method of claim 5 further comprising providing feedback to a said existing employee in said job based on the surveying of existing employees.
8. A method of evaluating potential job performance of applicants or existing employees for a specific job, comprising: (a) defining a set of competencies relevant to performance in the specific job; (b) ranking the set of competencies in order of importance for the specific job to provide a set of defined job characteristics for the specific job; (c) surveying a set of high-performing individuals in the specific job to ascertain if they possess the competencies specified by the job to validate the set of competencies defined for the specific job; (d) preparing a computerized report regarding ranking of the set of defined job characteristics; (e) providing a set of proposed interview questions related to the set of defined job characteristics to assist hiring authorities to plan structured selection interviews; (f) surveying an applicant or existing employee regarding said job to ascertain how said applicant or existing employee demonstrates said set of defined job characteristics; and (g) reporting a computerized comparison of potential performance of the applicant or existing employee for specific job based upon demonstration of the applicant's or existing employee's said defined job characteristics.

---

*Description*

---

### III. BACKGROUND OF THE INVENTION

#### A. Field of the Invention

The present invention relates to a system and method of testing or interviewing persons for a particular job or work position, and in particular, to a system and method for improving the likelihood the person will perform highly in the particular job or assisting the person to increase performance in the particular job, particularly jobs that require human interaction.

#### B. Problems in the Art



The many attempts to shift the focus of inquiry from interviews and resumes to an evaluation of "competencies" of potential employees beg the question--how does one define "competencies" and which ones are relevant?

There is no agreement on these questions. Many attempts at using "competencies" mix hard skills, e.g. technical competencies, with what are sometimes called "soft skills", e.g. more behavioral related. Others come up with generalized, "one size fits all" approaches.

Some companies hire consultants to tailor competency models to a particular company or job.

The problems with present attempts include inaccuracy, biases, cost, and ineffectiveness. A "one size fits all" approach does not take into account that different jobs require different competencies. It also does not allow for differences in company goals or philosophies.

A significant problem in many present competency based systems is bias of the creator of the system. For example, no matter how experienced or educated, a consultant or system developer has patent or latent biases. They invariably show up in the definitions, questions, and processing of such systems. Also, a consultant many times is affected by what the consultant perceives as the desired outcome of the client.

Specific hiring of consultants is costly. Some charge several thousand dollars a day. A customized system for a company can cost tens of thousands of dollars. And, again, biases are likely.

Also, the effectiveness of present systems is questionable. Most are based primarily on the real or perceived needs of the company, and not upon the needs of the position. Therefore, many good candidates for effective or even superior performance in a position are not identified.

### III. OBJECTS OF THE INVENTION

Therefore, there is a real need in the art for improvement in the way competencies are identified for good performance in a job or position.

The present invention provides a method and apparatus, which improves over or solves problems and deficiencies in the art.

Other objects, features and advantages of the present invention include, but are not limited to: 1. A focus on first defining a job by competencies and the most important competencies. 2. Utilization of such a defined job to (a) screen potential employees for the job, (b) evaluate existing employees in the job, (c) assist interviewer of job applicants ask the right questions, (d) develop employees, (e) develop strategies for matching employees to jobs, and/or (f) help with future business planning. 3. Has greater accuracy. 4. Is quicker. 5. Is economical. 6. Is more flexible. 7. Is reusable. 8. Diminishes or eliminates bias. 9. Assists in ultimate hiring decision. 10. Is adaptable to number of jobs/uses. 11. Can be computerized/automated. 12. Is useable with other methodologies. 13. Provides technology, methodologies and processes. for aligning the behaviors, attitudes and performance of individuals with organizational needs. 14. Identifies, calibrates and prioritizes the competencies required to produce superior performance relative to specific positions. 15. Includes a process for assessing an individual's performance against the competency requirements of their position. 16. Provides the framework for career development plans focused on developing the competencies required for superior performance. 17. Reinforces the behaviors necessary for superior performance. 18. Identifies the behaviors that may hinder superior performance. 19. Minimizes the time required to develop competency models. 20. Assists in the development of competency profiles that clarify job descriptions in terms of behavior. 21. Provides a job-related basis for coaching and mentoring. 22. Provides job-related links between the recruiting, selection and performance management processes for specific positions. 23. Can be implemented using paper and pencil, Intranet or Internet. 24. Provides methodologies for developing competency-based succession plans for key positions. 25. Provides the framework for tailoring training and development programs to individual needs. 26. Collects and interprets multiple inputs and perspectives on position requirements and performance issues. 27. Clarifies where training and development investments will be cost effective and where they may not be justified. 28. Provides insight into management or cultural biases on performance issues. 29. Provides information that can assist new hires to understand what behaviors they will need to demonstrate in a specific position. 30. Provides a framework for assessing the impact of internal







on the Position Survey(s), and can include discussion of approaches for identifying prospects for the position and interviewing such prospects.

"Personal Competency Inventory" means a survey intended for a potential employee for the purpose of evaluating the potential employee's competencies related to the position.

"Feedback Survey" means a survey intended for any or all of an existing employee, an employee's superior(s), that employees peer(s), that employee's subordinate(s), or others having some relationship with the position.

"Feedback Report" means a description of the results from one or more "Feedback Surveys".

"Interview Record" means a form useful for an interviewer relative to an interviewee.

"Interview Candidate Comparison," means a form for an interviewer to help compare a plurality of interview candidates.

"Competency", as used herein, means a behaviorally-related observable characteristic in the workplace relative to a particular job from the Set of Competencies defined herein.

"Set of Competencies", as used herein, means a specific family of Competencies.

#### D. Apparatus

FIG. 1 illustrates a basic apparatus for using the system 10 according to the invention. A computer 12 would include software 14 and text files 16 stored in a database. Computer 12 is capable of processing multiple Position Surveys 20, Personal Competency Inventories 22, and Feedback Surveys 24. Each of surveys 20, 22, and 24 can be in electronic form, accessible to a potential employee at a computer terminal, either near computer 12, or at a remote cite. A communications network 16 (modem, Worldwide Web, Intranet, etc.) can be used to communicate electronic versions of these surveys.

Computer 12 processes the surveys according software 14 and can produce several types of output reports.

A computer can be used to more efficiently process information according to the invention. Appropriate hardware is within the skill of those skilled in the art.

U.S. Pat. No. 5,551,880 discloses ways in which the system of the present invention could be practiced, including its computerization and the use of questionnaires, the coding and numerical characterization of the codings, and thus the ability to process the information with a computer, and provide an output report.

Software can be developed, as within the skill of those skilled in the art, by following this description.

As illustrated in FIG. 1, a Position Report 30 is possible, based on Position Survey 20. A Personal Competency Inventory report 32 can be produced based on Personal Competency Inventory 22. A Feedback Report 34 could be produced based on Feedback Survey 24. These are each described in more detail later.

Additional reports could be created such as a comparison of Position Survey 20 with Personal Competency Inventory 22 (see reference numeral 36). Similarly, comparison of Personal Competency Inventory 22 (see reference numeral 36). Similarly, comparison of Position Survey 20 with Feedback Survey 24 could be produced (see reference numeral 38). Still further, other types of reports can be created as will be appreciated.

A communication network 18 can also be used to electronically transmit such reports to a desired location. For example, e-mail, modem, Worldwide Web, Intranet, etc. could be used to electronically communicate any of the reports to a remote site for display on a computer or printing of a hardcopy.

Subject matter experts could take Position Survey 20 at a personal computer and submit to an employment agency in city A. Computer 12 could be located in city B. A potential employer could be located in city C. The potential employees, taking a Personal Competency Inventory 22 in city A could have it transmitted to

computer 12 in city B. Computer 12 could issue a report and send it electronically to city C for use by employer, comparing potential employee to the Position Report.

## E. Methodology

Behind the surveys and reports created to define the Competencies related to superior performance in a job the identification, definition and selection of a family of Competencies referred to herein as the Set of Competencies. As previously discussed, much has been written about "competencies". However, no agreement exists as to what is a competency.

A standardized set, the Set of Competencies, is established. The Set of Competencies have also been derived from studies of foundational work on competency, and on foundational work relating to behaviors and values/attitudes. This is described in U.S. Pat. No. 5,551,880.

Presently there are all sorts of definitions of what comprises a "competency" related to jobs or performance. As used herein, the Set of Competencies is selected as being almost universally relevant to most jobs or positions in the workplace. By relevant it is meant that across the universe of potential jobs and positions, these are usually possibly relevant, either as being very important to a job, somewhat important, or not important. It is to be understood that sometimes determining what is not important for good performance in a job, can be very valuable to accurately defining the job.

As can be appreciated, the Set of Competencies does not directly relate to resumes, education, technical experience, or prior job experience. They are "soft skills", or in other words, "demonstrable, observable behaviors".

### (1) Set of Competencies

"Set of Competencies", for purposed herein, means the following Competencies with the following meanings: 1. Leadership/Management: Achieving goals and objectives through others. 2. Employee Development/Coaching: Facilitating and supporting the professional growth of others. 3. Team Work: Working effectively and productively with others. 4. Conflict Management: Addressing and resulting conflict constructively. 5. Inter-Personal Skills: Effectively communicating, building rapport and relating well to all kinds of people. 6. Problem Solving/Decision Making: Anticipating, analyzing, diagnosing and resolving problems. 7. Creativity/Innovation: Adapting traditional or devising new approaches, concepts, methods, models, designs, processes, technologies and systems. 8. Written Communication: Writing clearly, succinctly and understandably. 9. Customer Service: Anticipating, meeting or exceeding customer needs, wants and expectations. 10. Flexibility: Agility in adapting to change. 11. Goal Orientation: Energetically focusing efforts on meeting a goal, mission or objective. 12. Planning/Organizing: Utilizing logical, systematic and orderly procedures to meet objectives. 13. Diplomacy: Effectively handling difficult or sensitive issues by utilizing tact, diplomacy and an understanding of organizational culture, climate and/or politics. 14. Personal Effectiveness: Demonstrating initiative, self-confidence, resiliency and a willingness to take responsibility for personal actions. 15. Presenting: Communicating effectively to groups. 16. Negotiation: Facilitating agreements between two or more parties. 17. Persuasion: Convincing others to change the way they think, believe or behave. 18. Empathy: Identifying with and caring about others. 19. Continuous Learning: Taking initiative in learning and implementing new concepts, technologies and/or methods. 20. Futuristic Thinking: Imagining, envisioning, projecting and/or predicting what has not yet been realized. 21. Decision Making: Utilizing effective processes to make decisions. 22. Self Management: Demonstrating self-control and an ability to manage time and priorities. 23. Management: Achieving extraordinary results through effective manage of resources, systems, and processes.

Therefore, the Set of Competencies, here twenty-three of them, are specifically defined. As can be seen, each have a directly behaviorally- or attitude-related aspect.

The Set of Competencies is used in the system of surveys and reports to assist in defining the behaviorally and attitude related characteristics of a wide variety of jobs as follows.

### (2) Position Survey







"very important". This was interpreted as meaning that only customer service was truly "very important", because the competencies of "persuasion", "interpersonal skills", and "goal orientation" were never ranked at level 1 by either respondent. The summary of competencies reprinted text files regarding the top seven ranked competencies by the respondents.

In comparison, FIG. 8 had 19 "very important" competencies. However, again, only the top seven were summarized.

FIG. 9 also had one "very important" competency whereas FIG. 10 has three.

Note also that Position Report 30 can contain other information. As shown in FIGS. 8-10, work environment (behavioral related characteristics for the position) can be summarized as can attitude or values related characteristics.

In addition, specific interview questions can be generated from text files 16 relative to each of the competencies determined to be most important for the position.

It can therefore be seen that the Position Survey, probing respondents for behaviors and values related competencies from the selected Set of Competencies, allows a definition of the job to be created in a Position Report 30. The job thus quantified, is defined in terms of the type, the inherent behaviors of the person, and the attitudes or values of the person, that would provide superior performance for the job. This is different from evaluating a resume, or evaluating a person based just on interview. It is deriving a description of the job itself by listening to the behavioral and values traits that are articulated in the answers to the Position Survey by persons who do perform well in the job.

Once the most important competencies are identified for the job, a strategy for finding the correct and best candidates for the job can be created. Behavioral and attitude characteristics are summarized and listed in the Position Report. Interview questions are even created.

FIG. 2 summarizes by flowchart for the previously described process. The actual position is first identified (50). Preferably, one to ten persons who clearly understand the position are selected to take Position Survey 20 (52).

If Position Survey 20 is available in hardcopy or a form that can be directly displayed to the respondents (54), the appropriate Position Survey 20 is selected (56), printed (possibly from an Internet site) (58), copies are made for the appropriate number of persons (60) and an orientation session is held (62).

Selected persons take the questionnaire (64, 66, and 68) and a "Position Folder" is created (70) to hold the questionnaires.

The responses of the respondents can be keyed into a computer (72) or stored on a storage medium such as a diskette. The responses in electronic form could be sent via Internet (74) or mailed (76) for processing.

Alternatively, the respondents could be given electronic versions of Position Survey 20 on diskette. They could electronically complete the survey, the diskettes could be collected, and either electronically or physically sent for processing by computer 12.

## (6) Optional Debriefing

FIG. 11 illustrates how Position Report 30 can be handled. The entity interested in the Position Report 30 (for example the company) would receive report 30 (90) and review the report (92). If there is no disparity on respondents' rankings or if any disparity is not of concern (94) the end user or customer can use the report for job description (120), future planning (122) or interviewing (112).

Note, however, that it is contemplated that a customer may want to meet with respondents to Position Survey 20 after it has been completed (96), review the definitions of competencies (98) and get an agreement on the most important competencies for the position (100) before using Position Report 30 further.



