STAFF SCHEDULING IN LARGE OFFICES OF NATIONAL CPA FIRMS

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Introduction

SAS No. 4 in Section 160.07 states: "Policies and procedures for assigning personnel to engagements should be established to provide reasonable asssurance that audit work will be performed by persons having the degree of technical training and proficiency required in the circumstances." In addition to this statement, several other paragraphs of Section 160 dealing with quality control considerations are concerned with issues around staff competence, staff consultation procedures, staff supervision, staff hiring and staff advancement.

These issues, in spite of being vital to good audit practices, have received little attention in the literature. In addition, assignment procedures are closely tied to independent auditor firm profitability as inadequate scheduling may lead to multiple problems including mismanagement of staff time.



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Staff counseling, promotion, termination and hiring procedures interrelate with the scheduling process. They are the valves through which schedulers may control personnel availability and competence. Information is provided to the scheduler through performance evaluation reports while the entire process leads and determines (but not uniquely) the quality of audit work and firm performance.

The quality of audit work can be hurt by inadequate scheduling. Junior staff morale is affected by long unassigned periods, followed by 70-hour weeks. Efficiency also suffers by having in-charges working on several jobs simultaneously as well as harming firm profitability by having a low number of billable hours and excessive overtime payments. Good scheduling will enhance the firm's reputation for punctuality and quality of audit work, will decrease staff turnover by smoothing the work load and will allow better audit work by planning the right person for the right job.

This study examined the assignment procedures of 12 Los Angeles offices of national CPA firms to ascertain the similarities, the differences and creative approaches in their scheduling methods. The results of the survey are described below.

Survey of Scheduling Practices

The study involved 12 of the 25 largest national CPA firms, including all those designated "Big Eight." It was

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conducted by a loosely structured, questionnaire-based interview, guided by a set of questions which the author prepared in advance but which followed the directions the interviewee wished to emphasize. Interviews were conducted with the scheduler(s) of the LA office (or area) of each of the firms and lasted from one and one-half to three hours. All forms used by the firms were requested by the interviewer. Interviews were written up and sent back to the schedulers to verify their accuracy. These results were tabulated and again checked back with the interviewees for accuracy and suggestions.

Results

The table summarizes responses from 12 firms on the many dimensions of the scheduling problem. Overall, most firms follow reasonably similar practices but implementation details differ considerably. The first finding of the survey pointed toward the fact that the scheduling activity is very closely related to staff counseling, promotion policies and evaluation methods.

Scheduling Policies

The representative CPA firm will not have a national policy for staff assignment. It will typically have some general national guidelines concerning the process and each office will attempt implementation in accordance with SAS No. 4. The scheduling system is geared toward the assignment of staff accountants and seniors but a few also include managers. Most often, however, the assignment of managers is made on an ad hoc basis by negotiation with the partners involved. The scheduling system will only serve to keep track of their assignment. This is due to the fact that typically a manager/supervisor will, at the same time, be involved with several audit engagements and allocate his time among them. On the other hand, seniors are mainly assigned to one job, with overlaps due mainly to overruns or unanticipated problems. Scheduling is usually restricted to audit staffs. Tax, MAS and small business are seldom part of the system. Partners, on the other hand, schedule themselves based on client demand, technical expertise and other functional obligations. The offices surveyed had from one to three people performing the scheduling function, assigning anywhere from 20 to 300 staff members.

The Scheduler and His Function

The scheduler tended to be a person with at least four years of audit experience or, in a few instances, a very experienced personnel officer. Ordinarily the "director of scheduling" assigned all jobs, and an assistant took responsibility for bookkeeping and recording as well as short-term schedule adjustments.

Two firms used a computer system for scheduling purposes, but several firms used some computer reports as an input to the scheduling process. This input is usually a by-product of the time-sheet and billing system which contain engagement listings, broken down by partner or manager in charge of the engagement.

Two types of scheduling requests seem common. The first, in which a specific staff member is requested by name, occurred in about half of the engagements. At engagement planning time, in-charges request partie bar

staff members to return to the job on the following year. The second type of request involved an unnamed staff member of a certain level, most often an intern or staff assistant. This second type of request required considerable discretion from the scheduler.

Scheduling Priorities

First priority is given to providing a new staff member with a wide variety of experience in a number of jobs (large/small, different industries and different audit tasks). This priority is most common in the first two years of audit employment and is very much in compliance with the spirit of SAS No. 4. Most firms state clearly that no specialization by industry should occur before two years on the job, and a few of the firms philosophically frown on the idea of industry specialization. Job assignment should be done within the cost/benefit analysis of determining the person who will perform the job most efficiently and at the least cost to the client as well as providing a wide range of audit experience to the staff member.

On a second priority level, questions concerning the specific staff member tend to be considered. In Los Angeles, particularly, the consideration of job location vis-a-vis staff member's residence tends to have high priority in order to avoid many hours of commute time. Marital status and other background factors are considered as are the staff members' preferences concerning the nature of jobs (e.g., SEC work, large/small client, etc.).

Procedural Issues

All firms had some type of master schedule with at least three months of staff planning. Most firms had a policy that these master schedules are always available for staff consultation. Some objections to the open master schedule policy were voiced. One scheduler felt that changes in the master schedules may be misread by the staff, causing undesirable behavioral effects. A scheduling board was often found in small practices, while a scheduling book or computer printout tended to be used in larger practices.

Typically, the key document that initiates scheduling is an engagement planning form. These forms are usually received early and after some adjustment and negotiation posted to the master schedule. Some firms tend to request engagement planning forms to be filled immediately after the completion of a year's job while others ask for them at pre-set times of the year (once or twice a year). Engagement planning forms usually encompass: (1) names or levels of staff requested (e.g., two staff accountants); (2) the dates for interim and end-ofthe-year work; and (3) a budget for the job. These are prepared by the accountant-in-charge (AIC), reviewed by the manager or partner of the engagement, and forwarded to scheduling. Schedulers review requests for reasonableness, consider the career development needs of the requested staff members and then try to comply with the request as stated. The key consideration is staff availability and then, the priority issues, discussed in the assignment priorities section above, are considered. Schedulers have to juggle with dates of interim work and reassignment of staff to efficiently staff jobs. Once a

satisfactory (and most often negotiated) solution is reached, the schedule is posted onto the master schedule and the in-charge (and sometimes all engagement assignces) receives a copy of the final engagement plan. Any material changes on the plan generate a new round of negotiations and the distribution of revised engagement plans. In addition, the AIC is requested to personally contact all assignces prior to the engagement date for arrangements and pre-engagement activities.

Conflict Resolution

Most schedulers described their jobs as "solving a giant crossword puzzle" where all parts of the picture must fall into place. This giant puzzle always generates conflicts between assignments. Efficient staffing requires that most of a staff member's time be billable, therefore not allowing for large pools of unassigned staff. The tighter the utilization standards are, the more difficult it will be to avoid staffing conflicts. Several approaches tend to be adopted by schedulers concerning conflict resolution: (1) managers resolve short-term conflicts among themselves and bring the solution to the scheduler while long-term conflicts are solved by adequate job planning by the scheduling staff; (2) all staff utilization negotiation is done through the scheduler who can then inform managers of facts of which they are not aware; and (3) weekly meetings are scheduled during the busy season among all managers to resolve scheduling conflicts.

Three issues are closely related to scheduling conflicts. The first relates to the ratio of planned and referred jobs to unanticipated jobs. Large national firms tend to have more repeat engagements and better knowledge of jobs which will be referred from other offices (such as the audit of a subsidiary). The smaller the ratio of planned jobs, the more often scheduling conflicts will occur. A second consideration is that the staff availability reporting system is crucial to conflict avoidance and resolution. Firms that report staff availability on a regular basis tend to have fewer conflicts as requests are more reasonable and better informed. Third, the nature and rank of the scheduler is an important element. A frequently overruled scheduler tends to be ineffective as a problem solver and makes the system chaotic. This will be discussed in greater detail later in the article.

Schedule Planning

Engagement planning is a continuous process for some firms with the scheduler constantly posting the master schedule. Others have a system where all the foreseeable engagements are assigned on an annual or semi-annual basis, with the scheduler making only minor adjustments due to engagement variances, staff changes and unforeseen work. If the scheduling process is a committee task, the second alternative is the norm as constant meetings of the committee would be too costly.

Evaluations, Counseling and Promotions

The scheduling and personnel functions are extremely interrelated. Adequate job performance provides important scheduling information while inadequate job performance may indicate both assignment proble

and/or personal inadequacies of the staff member in question. All firms surveyed had a formal staff evaluation form which was routed through the scheduler before being placed in the staff member's file. In some instances, the scheduler had key personnel functions which included making promotion and salary recommendations. In most instances, however, promotions and salaries were established by committees and were based on job performance evaluations and other judgmental considerations.

In addition to formal evaluations, all firms had set up some system of staff counseling. The philosophy of the staff counseling system varied considerably from simple-career advising and performance feedback to a more complex set of objectives which involved firm socialization, communication of information and reduction of turnover.

Some Examples of Interest

Firm 10 (from the table) has a formalized computer-based scheduling system. All data is collected locally through a minicomputer and teleprocessed to their national office on Fridays. By Monday morning all requested reports are delivered by air freight. The scheduler proceeds with their distribution and makes the adjustments which will, in turn, serve as input for the next Friday. The actual scheduling is done manually, but the use of the computer seems to be an excellent decision support system for the scheduling function with many interesting side features that tie up with billing and variance reporting on specific jobs.

Firm 7 reduced the scope of their scheduling process by installing the concept of "groups" within their audit division. By organizing staff members into groups, the total number of schedulees was reduced to 40. In terms of overall firm efficiency, they have a group availability report which relates to the coming four weeks and is distributed to each one of the groups. This procedure enables out-of-the group assignments after group scheduling needs are satisfied.

Firm 8 probably had the most cost effective system, with a large number of staff members being assigned on an overall southwest area basis. The system, however, is totally manual and extremely dependent on one person's memory and skills.

Suggestions

On the Scheduler

The rank, position, experience and personality of the scheduler is of major importance. Audit experience is helpful to understand the nature of auditing jobs, but this can be replaced by extensive personnel background in CPA firms prior to the scheduling functions. In the words of a scheduler, the person doing his function "must have clout" and/or rank. If a scheduler is frequently overruled, he becomes ineffective.

The personality of the scheduler is of utmost importance; he must be person-oriented, trustworthy and able to communicate in a non-threatening but authoritative manner. He must also be aware of his power—or perceived power—over the careers of staff members. One of the most important determinants of career success as well as staff motivation may be the proper job assign-

ment. The scheduler must perceive the nuances of personalities in jobs, anticipate staff personality clashes and acknowledge client preferences. He must enjoy the staff's trust in order to gather informal information concerning client characteristics. Thus, while a scheduling committee may resolve the question of authority, much of this human interaction may be lost in the committee assignment method.

Particular attention should be given to the continuity and backup of the scheduling function as many of the key scheduling issues are of an informal nature and consequently are not well documented. Schedulers should be given long-term, renewable contracts and assigned backups for vacation periods and replacement. One approach could involve leaving all short-term scheduling adjustments to be performed by the backup scheduler.

On the Scheduling System

The scheduling system must encompass the following elements: (1) an engagement planning form; (2) a master schedule with the planning for the following year; (3) an efficient communication system; (4) an interaction between billing, staff utilization and variance reports; and (5) the often-neglected scheduling performance evaluation system. It is essential in terms of scheduling efficiency and firm profitability to constantly monitor staff utilization and the quality of engagement planning. This monitoring should be done on a month-to-month basis and compared with the long-range plans of staff utilization and engagement variances (overruns). The scheduler should be rewarded in terms of how well these ratios meet the firm's objectives (which should be explicitly stated).

Automation, by the use of data processing, may considerably facilitate the evaluation task and help with communication between the scheduling, the billing and the variance reporting functions. One rule-of-thumb would recommend the utilization of a computer system for staff record keeping if more than 40 persons are being scheduled. This system should be online to be consulted by the AIC at the client location during the engagement planning stage, and have extensive edit capabilities to avoid data entry errors. This system, however, should be viewed only as a record keeping system. The assignment process itself should not be automated as there are too many variables involved which prevent the development of a satisfactory scheduling algorithm.

On Personnel Issues

Concerning counseling, promotions, and evaluations CPA firms usually have national policies. These policies should be closely linked to the scheduling process in order to give early warning on possible employment status changes as well as to receive input concerning potential causes of staff attrition and client problems. Promotion criteria and procedures should be openly discussed and stated. Controls should be established to monitor how closely they are being followed. Such measures may establish a climate of openness which will help the scheduling process considerably.

Finally, the scheduling of vacations, jury duty leaves, training and other non-client related matters should be

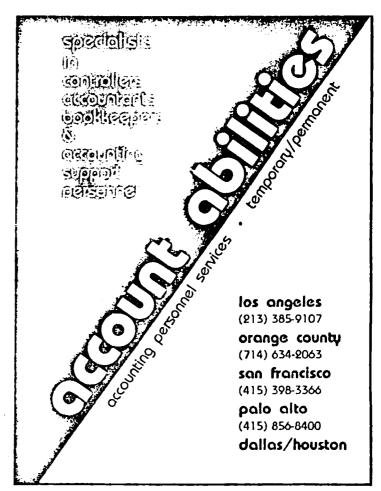
heavily influenced, if not determined, by the scheduling department in order to improve the flexibility of the assignment task.

Conclusions

Overall, the scheduling systems worked very well. Their importance is intuitively accepted by office managements in spite of a certain lack of recognition. Investment in improved scheduling systems may pay off in terms of firm profitability, employee morale and reduced turnover among employees.

This survey was based on large and medium CPA firms but its findings are not restricted to these firms. The small practitioner is the one who will be helped the most by these considerations as his practice grows, as certain problems can be foreseen and the procedures of large firms can be adapted to the small practitioner's problem.

In spite of extensive efforts by the AICPA and several regulatory bodies to set standards for the accounting profession, very little research has been done on administrative processes through which firms achieve high standards of quality. These internal processes such as personnel selection, internal consulting staffs, termination procedures, client procurement methods, fee structures and scheduling methods are of key importance to the quality of audit work and must be studied—but not legislated—much more extensively.



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|--|--|--|---|--|---|--|
| For assignments of 28 hours, comments of evaluee allowed, fourpoint scale, three main areas; technical; professional; and personal | All engagements with 40 hours, stati sees noistauleva | 80 plus hours jobs National form, second part relates to career objectives | All jobs, filled by the supervisor | 80 plus hours jobs evaluation discussed with supervisor, populatify sells consulting managers | On all jobs over 35 hours, partner prepares, manager rates W to P and discusses with (but and stook to) evaluee | noiteut. |
| Once a year decided by all partners and managers, salaries are separate | Once a year partner makes decisions | Once a year by person- nel and the PIC based on evaluations and qualitative factors | snoiteuleva no baseB | Compilation of evalua- tions and popularity polls by scheduler, de- cision by the PIC, once a year | Personnel committee head by personnel partner, use summary of all evaluations, once per year | anoitomo19 |
| Semi-annual with geremanager | 3 times a year (one at promotion time) with personnel partner | On an ad hoc basis by the PIC and personnel coordinator | lsmotni | Formal partner coun- selor assigned, meet at least once a year, keep in touch groups | Formal partner/manager Councelor assigned, S meetings a year | Znilaznuo3 |
| Planning summary re- quest, names specified | Staffing request and schedule | Request for accountants' time (react) | List of recurring jobs, bi-weekly assignment request | Request for stalt as- signment 75% name request | Request for assignment scountants | Key document request |
| Separate functions | Performed by the same persons | anoitanut Iniot | Separated functions | snoitonut finiol | Separate but very coordinated functions | Personnel and framagisss |
| Villidalieve NesZ Viem deily | VlisO | Weekly updates of master sheet | Bi-weekly schedules | Every two weeks | Weekly status report from each audit site; weekly list of available personnel | Periodic schedule up- date to staff |
| l month look forward daily to partner | ON | zə Y | Yes | | | finom-E gainnelq |
| | Scheduling 5-6 months in advance | Cursory | Yes | | | dinom-8 Bainasiq |
| z e Y | Yes—jobs to be done | | Yes-1-year forecast | Yes | saY | Yearly lookahead |
| Consultation among parties involved, resolution by partner in charge of scheduling | Megotistion among managers, final deci- sion is the scheduler | Monthly meeting of all softenibroos gnilubatos | schedule sesolved by the sched- | Negotisted with scheduler | Negotisted through scheduler | -noo to bodis!! noitulosan t |
| Send copies of statt assignment form and change in audit schedule | mnolni tzum əgəsdə-nl ilstz | Weekly updates to senior and up | 9g1sdə ni İnstrucəsA mıclni İzum | klanager supervsior is eldiznoqean | eldiznoqeat zi tagsneM | miothi of yaw to Itata finamngizza |
| Assignment book, monthly for 12 months | Acod InemngizeA | Master sheet; 6-7 months | Spread sheets | Loose leaf book | Master scheduling feet | Type of master schedule |
| Statt's experience, statt's availability | Finish current job, statt's experience, statt's aspiration, geographic focation | Find staff member who is most competent and billable at lowest rate; location, industry exper- tise, personalities | Move staff up in assign- ment responsibility; no identical work at same level | (I) Availability, (2) job specialization, (3) lo- cation, (4) Career devel- opment, broaden experi- ence | Industry specialization only at higher levels. Objectives: (I) as many AIC as possible, (S) varied industry experience, (3) both large and small clients | Scheduling priority |
| on | . 0N | oN | tud gnilubariae tot toth enoitanut troqque tot | ой | No (used to have one) | Computer system |
| Nodit partner and statl member | Partner, still active in work | | Audit manager, schedul- ing functions integrated with existing client responsibilities | 10 years w\firm, 6 as auditor, 4 in consulting, managet | Voman, sudit back- ground; duz to PIC of epersonnel, one of two people, manager | ** * |
| 01 | 50 | 100 | 06 | 105 | 06 | Approx, num- ber of people scheduled |
| ylno fibuA | Seniors, audit dept. | All areas—audit, tax, ZAM | Managers | Audit only, managers and supervisors included | Audit personnel, only seniors included | hest level grillubarion |
| Focel | Local | Local | Local . | Local forms, some national guidelines | issol IIA | Scheduling mstaya |
| FIRM 6 | EIRM S | FIRM 4 | FIRM 3 | FIRM 2 | t MAIT | 10910 |

| FIRM 12 | LI WBIA | FIRM 10 | FIRM 9 | FIRM 8 | T MAIN Y |
|---|---|---|---|--|--|
| Programs developed by national office, proce-dutes local | Local | lanoiteM | Mational philosophy and directors, local schedul- ing forms national evaluations and forms and forms was a second to the forms of the f | Focal | Local national guidelines |
| Je2 IysusBec | Senior—audit and small business T25 | Senior, audit and small business records moni- torcd for audit mana- gers and partners 150 | 120 Wanagers | 300 Managers | anagers 40 per group |
| Audit background, man- ager level (auditor), 3 people involved | 19genem lenoizz91019 | Professional manager with substantial audit experience, one secre- tary in clerical support tary in clerical support | Committee (4 members) meets twice a year | Personnel background, 20 years as scheduler | Usually the group ad- ministrator, in audit manager |
| Yes, tracking system | oN | Yes | οN | ON | ON |
| Start with small jobs, move up to larger, different erent industries, different audit duties | Background factors, residence, assign type, marital status, sex | Staff development (vari- ety, size and team com- position, location) | Mix of different jobs, large vs. small, public vs. private, different audit tasks | Variety of assignment, exposure to different jobs, people availability, location | Max, personnel utiliza- tion, max, personal de- velopment, exposure to personnel |
| 12 months lookahead | Scheduling board acces- sible to entire staff | — teets gnilubertes dot | Spread master schedule | On individual cards by | Master scheduling, |
| printout 8 week, bi-weekly dis- tribution of assignments, soummary to scheduler, assignment | Incharge communicators | weekly printout Printout sent to staff member | Master schedule accessible; copy of assignment sent to staff, in-charge must confirm | ompori m101ni 12um ag16d2-nl | sheets/per group in-charge accountant must contact staff |
| Scheduling makes tinal negotiated division | Weekly meeling of managers | Scheduler makes final decision, negotiation among managers | Committee after manager and partner review, imanaging partner is arbitrator | Ultimate authority is scheduler, lirst try negotiation | bns sofisitinimbs quo sofissb isnitise quo |
| Yes | Year Z.f—zəY | Хes | | Yes | Yes |
| | | \$9X | Yes, by committee meeting | | |
| Yes | Yes Monthly circulated, three managers | No Weekly printout in case of schedule change | On a job-by-job schedule sisa | Staff availability, weekly, staff utilization | Weekly summary of un- its bangisse |
| Separate | iniol | Separate but coordinated | Iniol | Separate but coordinated | · Juiol |
| AiC-next year's plan, 507.0% name the person | m101 gninnslq dot | taade gnilubadoe dot | lecol bas gnianel9 emrot framagiese | fagbuð | Listing of partner's jobs |
| On an ad hoc basis with personnel | Formal counselor (from audit staff) assigned, ad hoc meetings on issues | A counsclor (manager or partner) is assigned to each staff member, at least two meetings per year | By personnel and assigned supervisor/ manager on an ad hoc basis | Manager/counselor, bi- annual candid feedback | Big brother and coun- selor, parlner arrange- ments |
| 7 member (3 partners, 4 managers) committee, quarterly, based on evaluations | hased on evaluation, recommended by person- per division made by PLC of audit | Once per year, based on evaluations and partner/ manager recommenda- tions | All manager rate staffed allotted who worked with them, results are tabu- lated, personnel and the PIC decide on promotions and salaries | Annual, cvaluation com- mittee (8 managers) annual form, separate from salaries | Based on managers evaluations, summaries, submitted to partners, Biannual |
| Any job over 35 hours, supervisor tills out evaluation form, evalu- ee sees it | 40 plus hours, end, interim and year, mana- ger and supervisor yearly rate the staff with which they worked | National form, evaluator and evaluee sign, aggre- gated for promotion input, 40 plus hours of work | 80 plus hours, interim evaluation for long jobs, emphasis on personal development, agreement on objectives at outset | 40 plus hours—long form, 20 plus hours— short form, both sign, evaluce response allowed | 40 plus hours jobs Evajuce and evaluator review and sign, twice a ycar review by manager |