

MOST MANAGERS DO NOT LIKE PLANNING DUE TO THE FOLLOWING:

- * It takes time.
- * You have to think.
- * It involves paper work.
- * You are bound to systematic procedures.
- You are committed to achieve a specific result within a specified time period.

Effective Planning

An effective plan will be:-

- * Explicit stated in detail, leaving nothing merely implied.
- * Intelligible it must be understood and be comprehensible.
- * Flexible capable of accepting change.
- * Controllable capable of being monitored for control purposes.

Chapter 11: Planning

Planning Fundamentals

- If the task is well understood prior to being performed, much of the work can be preplanned.
- If the task is not understood, then during the actual task execution more knowledge is gained that, in turn, leads to changes in resource allocations, schedules, and priorities.
- The more uncertain the task, the greater the amount of information that must be processed in order to ensure effective performance.

Reasons for Planning

- To eliminate or reduce uncertainty
- * To improve efficiency of the operation
- To obtain a better understanding of the objectives
- To provide a basis for monitoring and controlling work

CONCEPTIAL FEASIBILITY AND DETAILED IMPLEMENTATION OR TERMINATION PHASE PLANNING PHASE PLANNING PHASE Utilized Resources Utilized

PLANNING QUESTIONS OFTEN ASKED Who plans the project? Who executes the project? Who is responsible for monitoring work and controlling work? Who is responsible for providing feedback regarding the planning and execution phases of a project? The Line Manager(s)? The Project Manager? Both Parties?

Project Manager's Responsibility Project Manager will define: Goals and objectives Major milestones Requirements Ground rules and assumptions Time, cost, and performance constraints Operating procedures Administrative policy Reporting requirements

Responsibility * Line manager will define: - Detailed task descriptions to implement objectives, requirements, and milestones - Detailed schedules and manpower allocations to support budget and schedule - Identification of areas of risk, uncertainty, and conflict

Senior Management's Responsibility Senior management (project sponsor) will: Act as the negotiator for disagreements between project and line management Provide clarification of critical issues Provide communication link with customer's senior management

1. Wild enthusiasm 2. Disillusionment 3. Chaos 4. Search for the guilty 5. Punishment of the innocent 6. Promotion of the non-participants 7. Define the requirements





STATEMENT-OF-WORK (SOW) COMPLEXITY IS DETERMINED BY TOP MANAGEMENT, CUSTOMER AND/OR USER GROUP(S) FOR INTERNAL PROJECTS: SOW IS PREPARED BY THE PROJECT OFFICE AND/OR USER GROUP(S)

POINTS TO ADDRESS WHEN DEVELOPING A STATEMENT-OF-WORK Purpose - objectives Exclusions - what should not be done Quantities - how many Schedule - when the work will be started/completed Deliverables (i.e... work done) Acceptance criteria - what method will be used to accept deliverables Responsibility - department, office or person responsible

WHO PREPARES THE STATEMENT-OF-WORK (SOW) Preparation of internal SOWs Project office and/or user groups Preparation of external SOWs Dependent on situation, & complexity Project manager/ line managers and project sponsor Client who may have the capabilities Client may decide to contract out to an independent body

PREPARATION OF A STATEMENT OF WORK REQUIRES TRAINING RATHER THAN LUCK.

Client may contract your services

IF A STATEMENT OF WORK IS MISINTERPRETED, IS IT NORMALLY IN FAVOR OF THE CLIENT OR CONTRACTOR?

* General scope of the work * Objectives and related background * Contractor's tasks * Contractor end-item performance requirements * Reference to related studies, documentation, and specifications * Data items (documentation) * Support equipment for contract end-item

* Customer-furnished property, facilities, equipment, and services * Customer-furnished documentation * Schedule of performance * Exhibits, attachments, and appendices

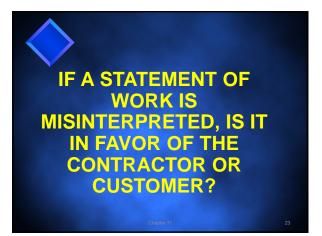


Problem Areas * Project objectives/goals are not agreeable to all parties. * Project objectives are too rigid to accommodate changing priorities * Insufficient time exists to define objectives well. * Objectives are not adequately quantified. * Objectives are not documented well enough. * Efforts of client and project personnel are not coordinated.

Personnel turnover is high.

Misinterpretation Areas

- Mixing tasks, specifications, approvals, and special instructions
- Using imprecise language ("nearly," "optimum," "approximately," etc.)
- No pattern, structure, or chronological order
- * Wide variation in size of tasks
- Wide variation in how to describe details of the work
- Failing to get third-party review



PURPOSE OF WBS IT IS TO STRUCTURE AN ASSIGNED PROJECT INTO VARIOUS ACTIVITIES IN ORDER THAT: Detailed planning can be performed Costs and budgets can be established Objectives can be linked to available resources in a logical manner Specific authority and responsibility can be assigned

WORK BREAKDOWN STRUCTURE

- Čan be developed using a top-down or bottom-up approach
- Can be hardware-related, function-related, or a combination
- Depth of WBS must balance out management effort against planning accuracy (influences technical and cost control)
- For accuracy purposes the WBS should be taken down several levels
- The WBS must be structured for objective control & evaluation

Work Breakdown Structure (WBS)

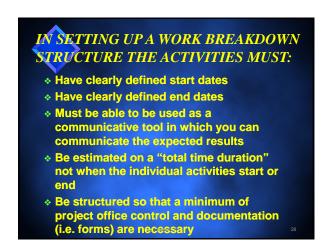
- The total program can be described as a summation of subdivided elements.
- Planning can be performed.
- Costs and budgets can be established.
- * Time, cost, and performance can be tracked
- * Objectives can be linked to company resources in a logical manner.
- Schedules and status-reporting procedures can be established.

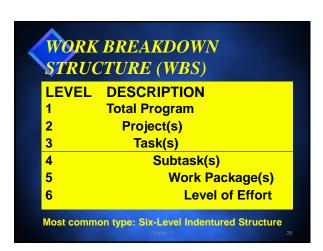
Work Breakdown Structure (WBS) (Continued)

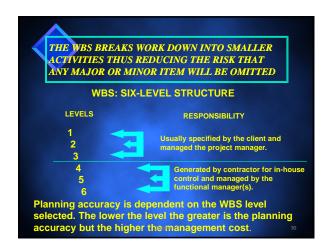
- Network construction and control planning can be initiated.
- The responsibility assignments for each element can be established.

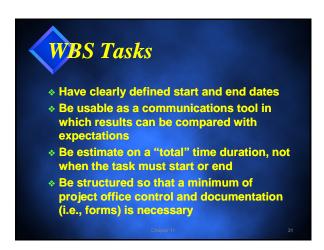
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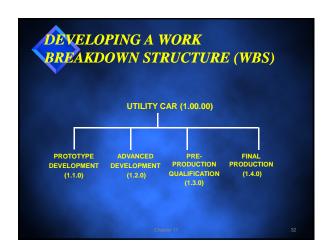
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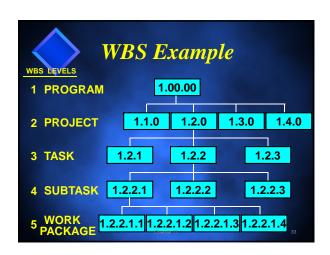


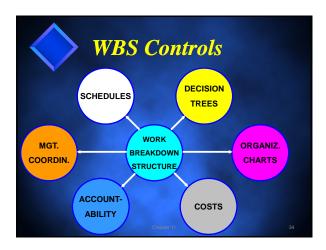




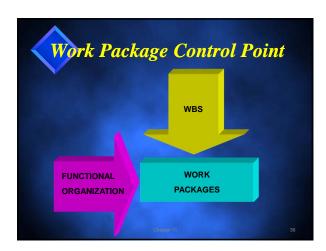












WBS Work Packages

- Represents units of work at the level where the work is performed
- Clearly distinguishes one work package from all others assigned to a single functional group
- Contains clearly defined start and end dates that are representative of physical accomplishment
- Target is 80 hours and about two weeks, but depends on size/nature of the project,

WBS Packages (Continued)

- Specifies a budget in terms of dollars, man-hours, or other measurable units
- Limits the work to be performed to relatively short periods of time to minimize the work-in-process effort

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REASONS WHY PLANS FAIL

- Corporate goals not understood lower down in the organization/company
- Plans encompass too much in too little time
- Poor financial estimates
- Plans based upon insufficient data
- * Poor staff requirements
- Insufficient time allocated for project estimating

OTHER REASONS WHY PLANS FAIL

- No attempt made to systemize the planning process
- Planning was performed by a planning group
- No one knows the ultimate objectives
- No one knows the major milestone dates
- Project estimates are best guesses and are not based on any standards, or history
- No one bothered to see if there would be personnel available with the necessary skills
 People not working towards the same specs
- Constant shuffle of personnel in and out of the project with little regard for the schedule
- Change of management and their objectives.
 Change(s) in the macro environment

Stopping Projects

- Final achievement of the objectives
- Poor initial planning and market prognosis
- * A better alternative is found
- A change in the company interest and strategy
- * Allocated time is exceeded
- Key people leave the organization
- Personal whims of management
- Problem too complex for the resources available

Behavioral Stoppages

- Poor morale
- Poor human relations
- Poor labor productivity
- No commitment by those involved in the project

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Ways to Terminate

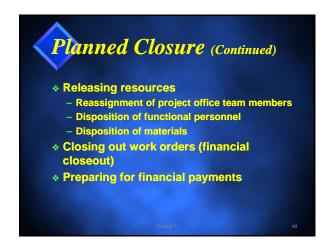
- Orderly planned termination
- * The "hatchet" (withdrawal of funds and removal of personnel)
- Reassignment of people to higher priority efforts
- Redirection of efforts toward different objectives
- Burying it or letting it die on the vine (i.e., not taking any official action)

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Unn Cha	nanaged inges	vs. Mana	iged
	Where TIME is invested	How ENERGY is invested	Which RESOURCES are used
Unmanaged Change	Back-end	Rework Enforcement Compliance Supervision	Senior Management and key players only
Managed Change	Front-end	Education Communication Planning Improvements Value-Added	Stakeholders (internal)SuppliersCustomers



