

ADVANCE PROJECT SCHEDULING WITH BAR CHART

PROJECT X

OUTLINE LECTURE 2

A. REVIEW LECTURE 1

B. WHY BAR CHART

C. MILESTONE

D. ORGANIZATIONAL RESPONSIBILITY CHART (ORC)

E. PROJECT X

A. REVIEW LECTURE 1

WHY PLANNING A PROJECT...????

*To reduces the uncertainty that exists before
a project or portion of a project is launched*

INTRODUCTION

A BAR CHART..???

***‘‘A GRAPHIC REPRESENTATION OF PROJECT ACTIVITIES,
SHOWN IN A TIME-SCALED BAR LINE WITH NO LINKS
SHOWN BETWEEN ACTIVITIES’’***

B. WHY BAR CHART..??

1. SIMPLE AND EASY TO UNDERSTAND
2. USED FOR GLOBAL CONTROL AT THE PROJECT
MANAGEMENT AND EXECUTIVE LEVEL
3. VERY USEFUL FOR MILESTONE AND SUMMARY
SCHEDULES

PREPARING BAR CHARTS

1. *PROJECT MUST BE BROKEN INTO SMALLER (WBS) [NO ABSOLUTELY CORRECT OR INCORRECT WAY TO BREAK DOWN A PROJECT EXISTS]*
2. *DEVELOP A LIST OF ACTIVITIES THAT WILL BE SHOWN ON THE SCHEDULE*
3. *THE DURATIONS OF ACTIVITIES ARE ESTIMATED (DAYS, WEEKS, MONTHS)*

C. MILESTONE

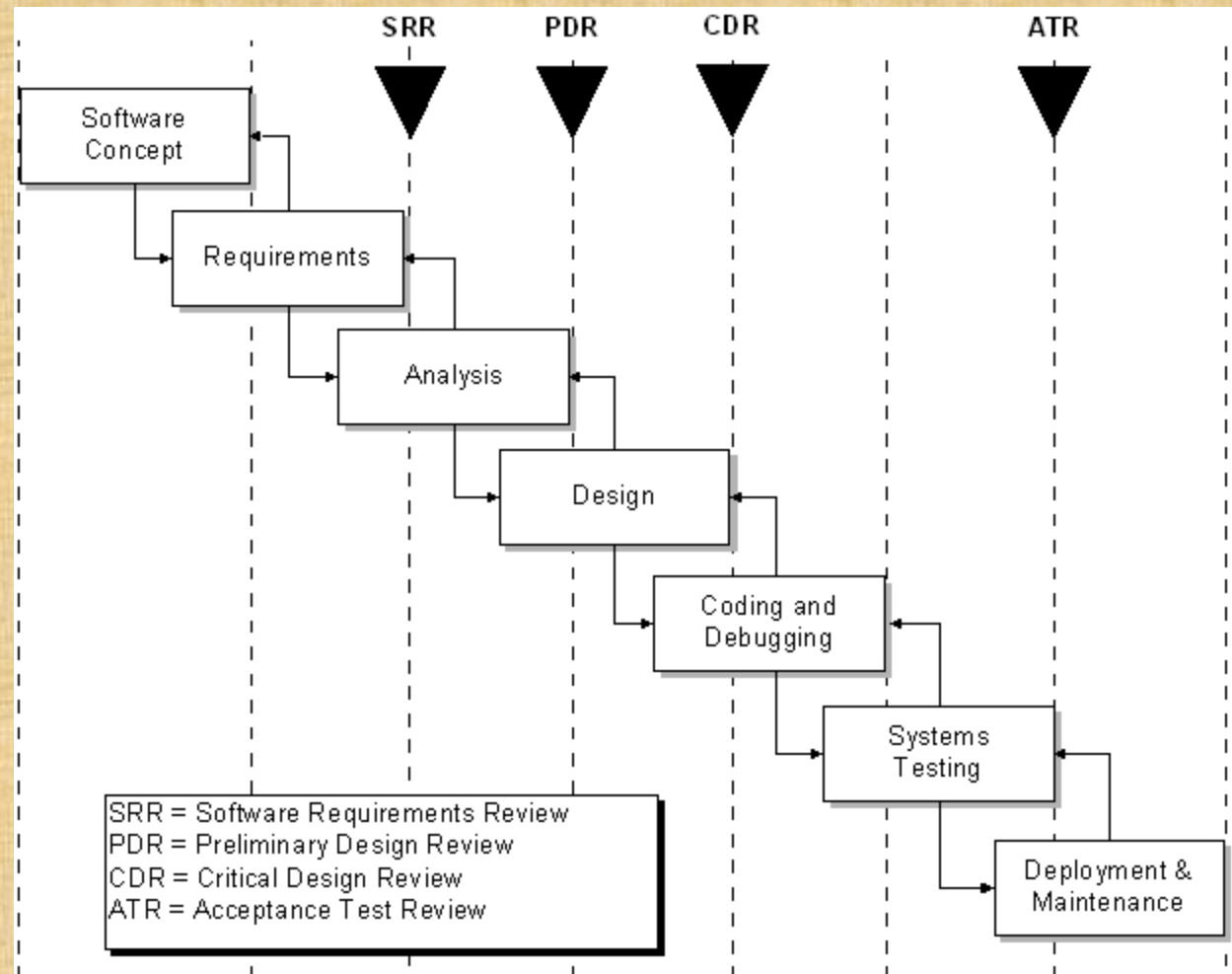
- ✓ *PURPOSE: TO HIGHLIGHT THE DATES OF SIGNIFICANT EVENTS.
(SUBMISSION OF A DRAWING, SPECIFICATION, OR PURCHASE ORDER FOR CLIENT APPROVAL)*
- ✓ *MILESTONES SHOULD BE CRITICAL EVENTS WHICH HAVE
SERIOUS SCHEDULE IMPLICATIONS.*

Terminology

- Milestones
 - Have a duration of zero
 - Identify critical points in your schedule
 - Shown as inverted triangle or a diamond
 - Often used at “review” or “delivery” times
 - Or at end or beginning of phases
 - Ex: Software Requirements Review (SRR)
 - Ex: User Sign-off
 - Can be tied to contract terms

Terminology

Example Milestones



MILESTONE NETWORKS AND SUBNETS

The concept of subnets is used when several independent contractors are involved on a project.

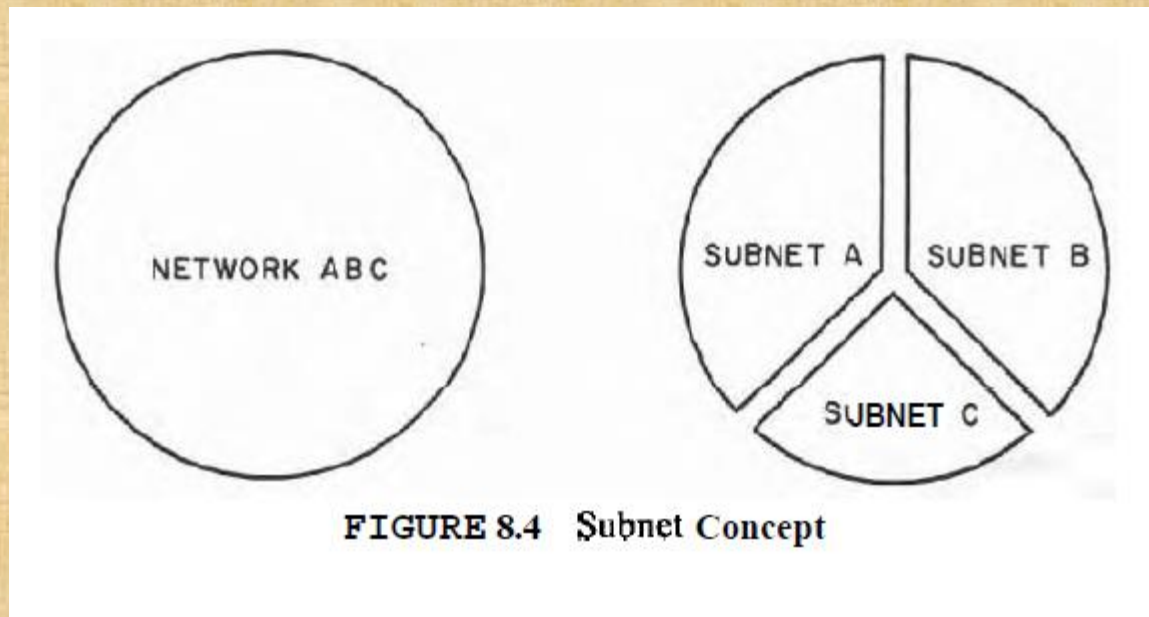


FIGURE 8.4 Subnet Concept

...Cont

The development of subnets is carried out within the framework developed through WBS and milestone networks

The significant operation in the development of a subnet is planning the activities according to sets of milestones.

D. ORGANIZATIONAL RESPONSIBILITY CHART (ORC)

The prime responsibility for each work package is assigned to an individual in the project management team.

PROJECT X

- *DEVELOP A WBS FOR A PROJECT WITH WHICH YOU ARE FAMILIAR (PROJECT X)*
 - *Planning Phase (Design and Schedule)*
 - *Organization Responsible Chart*
- *PREPARE A LIST OF SUBNETS FOR THE PROJECT*
- *DEVELOP A BAR CHART FOR PROJET X*