Chapter Twelve
CPM in Dispute Resolution and Litigation
Why we use CPM in dispute resolution?

1- CPM provides a model of the project.

2- The model illustrates how the project was planned and how it changed.

3- Show how other portions of the model impacted.
Aspects of delays

1- Who was at fault.
2- How much of time delay occurred.
3- What monetary awards should be made.

*The CPM method is primarily useful in addressing the second of these conditions and in some cases' can be used to assist in determining at least a portion of the monetary award, the only item it does not addressed is the first condition.
Types of Schedules

Different types of schedules may be considered:

The first one is the original one or (as-planned) schedules.

As planned schedule: schedule that represents information on the schedule as envisioned, generally by the contractor, at the beginning of the construction phase.
Secondly: What if schedule

Thirdly: As-built schedule

Fourthly: But-for schedule
Impact of Changes

Changes that impact activity duration are difficult to quantify in monetary terms because a single changes can impact the rest of the project in productivity.
Impact of Changes (Cont.)

*For a variety of reasons, delays may occur on a construction project. These might be caused by late material delivery, productivity being below that which was anticipated, delays associated with changes, delays requested by the owner for a number of reasons (to evaluate site conditions, design changes, etc.), delays caused by weather conditions, and so on...
Impact of Changes (Cont.)

*Regardless of the source, delays will impact the schedule.

*Some delays may be compensable while others may not.
**The compensable delays will certainly be ones that the contractor will try accurately evaluated to quantify the payment to be made for the delays.**