

Seminar's Title: Project Technical Planning Process

Purpose and Background

Project Technical Planning is thinking of what project activity we will do before we do it. Planning mechanisms have served project managers well in planning for their projects. However, a complete, realistic, accurate and up to date plan before major work on a project is initiated is often missing. What many managers/planners have failed to do is to effectively plan the planning of their projects. The results of doing work on a project without a good plan are well known and the work to plan a project to effectively execute it is no exception. This seminar is designed for those who want to effectively plan the planning of their projects for successful execution.

Who Should Attend

This seminar is for project managers, program managers, project executives, technical managers, engineering managers, project engineers, senior engineers, engineers, section heads, department managers, technical staff, chief engineers, planning engineers, cost engineers and contract administrators working on projects. You will learn the basic concepts of project planning and the use of the plan to control the project. Everybody who contributes a planning roll to the management of a project (now or in the future) will benefit from this seminar

Learning Objectives

To provide a generic plan for planning projects by sequencing established, well-known planning mechanisms to form a planning process which can be applied to the planning of most any technical project. The resulting project plans will be more complete and accurate and accomplished in a timely manner.

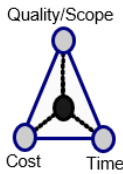
Benefits for Participants:

- Obtain a quick overview of a project control system.
- Understand why a project control system is crucial to project performance.
- Learn different approaches on implementing an effective project control system for different project sizes.
- Learn how to use the project control capability to improve the project performance meeting the client's needs and expectation.
- Assess your organization for best practice in project control and make it work

Outline

The seminar is scheduled for three (3) days; starting from 9:00 AM to 5:00 PM & a half hour coffee break during each morning and afternoon session.





DAY 1

Introduction

- Project Planning Perspectives
- The Importance of Planning

The Project Planning Process

- Contract Baseline Review and Finalization
- Overall Project Approach Definition
- Discipline Approach Definition
- Detailed Work Breakdown Structure (WBS) and Financial Development
- Networks Development
- WBS and Financial Collection Structure Finalization
- Resource Requirements and Budgets Development
- Earned Value Management Establishment
- Define & Implement Project Statusing Process
- Planning Process Summary

DAY 2

Project Planning Details

- WBS
- Scheduling Networks
- Earned Value Performance Measurement

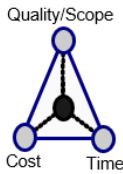
Documenting and Reviewing the Plan

- The Program Plan versus the Plan Document
- Summary of Plan Document Outline
- Detailed Plan Document Outline
- Project Control Review (PCR) for Planning Activities
- Detailed PCR Agenda

DAY 3

Transition from Project Planning to Project Control

- Planning & Statusing Processes
- Plan Finalization
- Work Authorization
- Project Statusing and Project Approach



- Stating Mechanisms
- Plan Maintenance
- Reports and Reports Analysis
- Project Control Analysis
- Baseline Modification
- Financial Planning

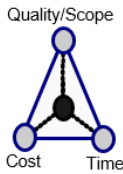
Exercises and Case Studies

Video Presentations and Reading References

Seminar's Instructor: Dr. Nghi M. Nguyen, Ph.D., P.E., PMP, M.ASCE. President and CEO of NDV Project Management Services, Inc (NDV) since 1995, Dr, Nghi Nguyen has had more than 30 years of progressive, domestic and international consulting and training experience in the field of project/program/portfolio management on major construction, aerospace, defence and high-technology projects with leading Canadian and U.S. corporation such as the SNC-Lavalin Group, Lockheed Martin, CAE and the Canadian Space Agency and NASA. Prior to founding NDV in 1995, he served as Program Control Manager for the multi-billion dollar Canadian Patrol Frigate (CPF) program, the largest and most complex shipbuilding program in Canadian history for Lockheed Martin Canada (formerly Unisys Systems Canada).

As an internationally recognized project management consultant and trainer, Dr. Nguyen has assisted clients with project management approaches to effectively and efficiently complete projects and attain their objectives. He is a specialist in project management training, consulting, definition, development, identification of project objectives, constraints and methodologies. Dr. Nguyen worked as a project management consultant for the Canadian Space Agency (CSA) on projects associated with the International Space Station (ISS) program, the 16-nation effort, lead by NASA, to build the permanently orbiting laboratory in space, the largest and most sophisticated international engineering project ever undertaken in the history of the world as well as for SNC-Lavalin International on China's Three Gorges hydro-electric development project, the largest construction project in the world to date, and was involved in a number of projects in the Information Technology (IT) and Oil and Gas (O&G) sectors, among them was the construction of the \$ 5 billion Hibernia Oil Production Platform in St John, Newfoundland, Canada. Dr. Nguyen has delivered project management seminars for the American Society of Civil Engineers (ASCE), International Institute for Learning, Inc (IIL) in the USA, EuroMatech and Britannia of the U.K., Glariden Global in Singapore and various organizations in Asia and Vietnam as well as those associated with the engineering organizations worldwide.

An internationally recognized speaker, author and presenter, Dr. Nguyen has written and presented numerous technical papers on project/program management related topics in international conventions and congresses in Canada, the U.S., Europe, Asia and the Caribbean, sponsored by professional associations such as the Project Management Institute (PMI), the American Consulting Engineering Council (ACEC), The Association for the Advancement of Cost Engineering (AACE) International, American/Canadian Society of Civil Engineers (ASCE/CSCE), the Pan-Pacific Business Association (PPBA), the American Institute of Aeronautics and



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Astronautics (AIAA), the Caribbean Council of Engineering Association (CCEA) and the Paris-based association Francais des Ingenieurs et Techniciens d'Estimation et de Planification de Projects (AFITEP). Since 1995, Dr. Nguyen has conducted numerous project management seminars for thousands of project managers practising in all industries in a variety of topics in many countries including Canada, the U.S.A., the U.K., France, Spain, Germany, the Netherlands, Austria, Norway, Switzerland, Cyprus, China, Hong Kong, Thailand, Singapore, Malaysia, Japan, Indonesia, Vietnam, Australia, New Zealand, the U.E.A.(Dubai and Abu Dhabi), Kuwait, Saudi Arabia, Colombia and Barbados.

Educated at McGill and Concordia Universities in Montreal, Quebec, Canada, Dr. Nguyen holds B.S., M.S. and Ph.D. degrees in Civil Engineering and Construction & Project Management, is a Certified Project Management Professional (PMP) and has been a part-time professor at the Faculty of Engineering and Computer Science at Concordia University, teaching project management courses at both undergraduate and graduate levels since 1997. He has also lectured under the United Nations Development Programme (UNDP), McGill University Executive Institute, the Maastricht MBA programme (a joint programme between the Maastricht School of Management of the Netherlands and the School of Industrial Management of Ho Chi Minh City University of Technology, Vietnam) and is a registered civil engineer and project manager in both Canada and the USA. Dr. Nguyen was certified as a PMP (Project Management Professional) by the Project Management Institute (PMI) in 1995. He served as a member of the Canadian Advisory Council (CAC), set up by The Standards Council of Canada (SCC) to participate in the development of the International Organization for Standardization (ISO)'s project management standard released in September 2012 as ISO 21500 for project management as well as provided recommendations as Draft Reviewer and Contributor to the PMBOK® Guide – Fifth Edition of the Project Management Institute (PMI) released in January 2013, both considered by project management professionals worldwide as globally and internationally accepted project management standards. Dr. Nghi Nguyen has also been serving the same role to the “soon-to-be-released” PMBOK® Sixth Edition to be published in 2017 by PMI.

