

## 2015 AACE INTERNATIONAL TRANSACTIONS

### FOREWORD

#### BUILDING INFORMATION MODELING (BIM)

BIM.1926 *Strategies for BIM Adoption* Dr. Ralph Kreider; Robert Fraga

#### CLAIMS AND DISPUTE RESOLUTION (CDR)

CDR.1815 *Forensic Schedule Analysis and Discretionary Logic* John C. Livengood Esq., CCP CFCC PSP  
CDR.1868 *Changing Trend in Risk Allocation – Differing Site Conditions* Steven A. Collins; James G. Zack Jr., CFCC  
CDR.1878 *US Major Task Order Contracting and NZ Collaborative Alliances Comparison* Jorge Andres Rueda-Benavides; Dr. Eric Scheepbouwer; Dr. Douglas D. Gransberg, PE CCP FRICS  
CDR.1920 *Minimizing Financial Losses Using Builder’s Risk Insurance* Dayna L. Anderson; Seth D. Lamden  
CDR.1967 *Determining the Measured Mile for Lost Productivity Claims* Dr. Tong Zhao, PE PSP; Mark Dungan  
CDR.1997 *An Improved Measured Mile Methodology for Heavily Disrupted Projects* Nelson L. Gallardo  
CDR.2047 *Unified Evaluation Criteria for Delay and Productivity Analyses* Kenji P. Hoshino, CFCC PSP

#### COST AND SCHEDULE CONTROL (CSC)

CSC.1829 *Task Packaging and Project Controls* Adam Carver Lott  
CSC.1842 *Cost Increases in the Front-End of Road Projects* Morten Welde; James Odeck; Geir Saxebøl  
CSC.1844 *Causes of Commissioning Delays in Industrial Projects in Saudi Arabia* Dr. Ali A. Shash; Asadullah Khan  
CSC.1851 *Drones for Project Controls and Other Uses on Construction Projects* Paul Levin, PSP  
CSC.1872 *Value of Work Done: Measurement for Oil and Gas Project* Dileezaa Lurthanathan; Rahmah Idris  
CSC.1918 *Pacing As a Delay Management Mechanism* Dr. Amin Terouhid; Diana Minchella; Andrew Lawrence Sargent  
CSC.1925 *Understanding Contractor Project Controls Capability through Request for Proposal Questionnaire* Julie Richards  
CSC.1937 *Contingency Drawdown Forecasting, Tracking, and Actual Contingency Spend Forecasting* Robert J. White  
CSC.1938 *Re-Assessing KPIs and Trend Charts for Staff, PMs and Stakeholders* Mark Stillman; John Norwood  
CSC.1986 *Using Theoretical S-Curve to Forecast Project Duration Considering Past Performance* Rafael Gonçalves Monteiro; Vinicius Oliveira Daher  
CSC.2040 *Scope Decomposition for Cost and Schedule Integration* Rohit Singh, P.Eng. CCP; William Manuel Diaz

#### PROFESSIONAL DEVELOPMENT (DEV)

DEV.2021 *Leading Project Controls as a Seconded Employee on a Non-Operated Joint Venture* Greg J. Whiteside, CCP

#### ESTIMATING (EST)

EST.1812 *Ten Cost Estimating Observations* Joe Kabeiseman  
EST.1838 *The Evolution of Public Works Contracting in Brazil* Tatiana Thomé de Oliveira; Sergio Rodovalho Pereira; Paulo Roberto Kozlowski Tannenbaum Filho  
EST.1841 *The Impact of Cost Estimation Methodologies on Cost Overruns* Morten Welde; James Odeck; Geir Saxebøl

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EST.1852	<i>Identifying Key Cost Drivers of Well Abandonment Utilizing Regression Analysis</i>	John R. Parson, CCT CCP; Adam Pieknik
EST.1916	<i>Regression-Based Estimation of Material Quantities Using Case-Based Reasoning</i>	Dr. Borja García de Soto, PE; Bryan T. Adey
EST.1958	<i>Planning the Future: Methodologies for Estimating U.S. Nuclear Stockpile Cost</i>	Frank Douglas Lewis; Cash Fitzpatrick; Matt Proveaux; Cole Lillard; William P. Todd
EST.1994	<i>Introducing an Alternative Cost Model for Detailed Construction Estimating</i>	Dr. Ming Lu; Dr. Fei Dai
EST.2008	<i>A Case for a Unified Work Breakdown Structure (WBS)</i>	James Oswell, CCP; Max M. Shoura, PE PSP
EST.2058	<i>Estimate Review and Validation Checklist</i>	Douglas W. Leo, CCP CEP

### EARNED VALUE MANAGEMENT (EVM)

EVM.1834	<i>Integrated Project Management Approach for EPC Energy Projects</i>	Williams Chirinos
EVM.1848	<i>CIS: Utilization of Earned Value Management for Monitoring Production Facilities</i>	Elena Rybina; Dmitriy Skorobogatov; Sean T. Regan, CCP CEP; Julie K. Owen, CCP PSP
EVM.1896	<i>A Survival Guide for Using EVMS on Small EPC Projects</i>	Matthew Christopher Baker, CCP CCT
EVM.1959	<i>Comparison of Earned Schedule to EVMS Schedule and Metrics</i>	Ronald L. Clendenon, EVP; Daniel Paul Muehleisen, EVP
EVM.2005	<i>The Evolving Discipline of Project Execution</i>	Richard C. Plumery, EVP; Stefan Ciuk
EVM.2041	<i>A Critical Analysis of the ANSI/EIA Standard for EVMS and the TCM Framework</i>	Dan Melamed, CCP EVP; Richard C. Plumery, EVP

### OWNER ISSUES (OWN)

OWN.1809	<i>Post Occupancy Evaluation (POEs) of LEED Buildings as a Project Controls Function</i>	Dr. Nakisa Alborz
OWN.1845	<i>What Is So Important About a Project Controls Plan?</i>	Paul G. Williams; Stephen L. Cabano
OWN.1846	<i>Owners Do Not Need Project Controls! – Jeopardizing Project Outcomes</i>	Stephen L. Cabano; Paul G. Williams
OWN.1873	<i>A Description of Claims Management Practices: An Owner's Perspective</i>	Jonathan E. Haag
OWN.1879	<i>Evaluating Social Return on Investment for Rural Infrastructure Funding Decisions</i>	Dr. Maria Catalina Miller; Jorge Andres Rueda-Benavides; Dr. Douglas D. Gransberg, PE CCP
OWN.1976	<i>Implementation of a PMO at LA Metro</i>	Brian James Boudreau; Julie K. Owen, CCP PSP; Michael Edward Williams
OWN.2004	<i>Capital Project Cost Management: Why Owners Are Behind the Curve</i>	Rizwan Shah; Mark W. Cohen, PE
OWN.2007	<i>NORSOK Z-014: A 21st Century Update</i>	John Graham; Mesbah A. Khan; Chris Partridge
OWN.2057	<i>Managing a Large Mill Tailings Cleanup Project</i>	Donald R. Metzler

### PROJECT MANAGEMENT (PM)

PM.1811	<i>Importance of Scheduling in Project Management</i>	Abbas Saifi
PM.1843	<i>Analysis of Construction Productivity Using Schedules Loaded with Labor and Material Resources</i>	Dr. Mohamed E. El-Mehalawi
PM.1895	<i>Understanding the Heuristics of Project Management in Canadian Oil Sands</i>	Gagandeep S. Issar; Azim Aminzadah
PM.1899	<i>Analytical Program Management: An Evolution of More Sophisticated Program Analysis</i>	Graham Gilmer; Eric Druker

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PM.1903	<i>Improving Productivity through Lean Construction Implementation in a Pipeline Project</i>	Jeancarlo Durán Maica, CCP EVP; Paul Alexander Villanueva, PE
PM.1921	<i>Analyzing the Economic Impact of Job Order Contracting</i>	Dr. Dean T. Kashiwagi; Jacob Kashiwagi; Kenneth T. Sullivan
PM.1972	<i>Project Cost Management Prior to Conceptual Design</i>	Rex M. Holmlin, PE
PM.2027	<i>Unmanned Aerial Vehicles for Construction Management</i>	Neil D. Opfer, CCP CEP PSP; Dr. David R. Shields, PE

### PLANNING AND SCHEDULING (PS)

PS.1859	<i>Railway Infrastructure Program Planning for Pre-Contract Award Works</i>	Rahul S. Mulik, CCP
PS.1862	<i>Modelling Line of Balance Schedules with Start-Finish Relationships</i>	Ricardo Viana Vargas, CCP; Felipe Fernandes Moreira
PS.1869	<i>Recovery Schedules and Acceleration: Two Case Studies</i>	Joseph R. Hellenbrand, PE PSP
PS.1876	<i>Reviewing Resource Leveled Schedules Using P6™</i>	Ronald M. Winter, PSP
PS.1927	<i>Ghost Schedules – What, Why and What’s the Risk</i>	Scott A. Beisler; James G. Zack, Jr., CFCC
PS.1930	<i>Lessons Learned – Schedule Communication Using P6™</i>	Charlie Jackson, PSP; Hannah E. Schumacher, PSP
PS.1971	<i>The Planning Fallacy and Its Effect on Realistic Project Schedules</i>	Jeffrey A. Valdahl; Shannon A. Katt
PS.1981	<i>Using Excel® VBA to Communicate Schedule Concepts</i>	Evan Hughes
PS.2001	<i>Leveraging BIM for Project Planning, Scheduling and Controls</i>	Abhimanyu Basu, PE
PS.2046	<i>Master Control Schedule - Planning and Risk Analysis Method</i>	Yaroslav Kovalenko; Martin J. Gough, P.Eng.;; Dr. Mark Krahn;
PS.2056	<i>Methods for Measuring Percentage Progress: Which One to Choose</i>	Devdas K. Tamboli, CCP PSP; Manoj Joshi
PS.2063	<i>The Inner Workings of Oracle/Primavera P6</i>	Ron Winter, PSP
PS.2064	<i>Combining Forensic Schedule Analysis Techniques</i>	Mark F. Nagata, PSP; J. Scott Lowe, PE

### DECISION AND RISK MANAGEMENT (RISK)

RISK.1822	<i>Delay Principles Based on Completion Risk</i>	Dr. Gui Ponce de Leon, PE; Dr. Vivek Puri
RISK.1870	<i>Owner’s Risk in a Public-Private Partnership Project</i>	Philip P. Collin PE; David A. Norfleet, CCP CFCC DRMP
RISK.1939	<i>Risk Monitoring and Control in Construction Projects</i>	Ahmad Salah; Dr. Osama El Sayed Moselhi, P.Eng.
RISK.1955	<i>Risk Management Capability Assessment</i>	Louis Fussell
RISK.1964	<i>If At First You Do Not Succeed, Then Try Risk Workshops</i>	Tom Wagner
RISK.1987	<i>Joint Project Time and Cost Risk Analysis</i>	Bahaa Hussein; Dr. Osama El Sayed Moselhi, P.Eng.
RISK.1993	<i>What to Do with Unknowns in Schedule Risk Analysis?</i>	Dr. David T. Hulett
RISK.2054	<i>Risk-Based Estimate and Risk Treatment Planning</i>	Dr. Ovidiu Cretu, PE; Vlad Cretu

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### **TOTAL COST MANAGEMENT (TCM)**

TCM.1947	<i>The Ten Best Project Management Approaches to Avoid Claims</i>	Christopher W. Carson, CEP DRMP PSP; Glen R. Palmer, CFCC PSP
TCM.1948	<i>Recommended Practices Provide Implementation Details for CMAA Standards of Practice</i>	Christopher W. Carson, CEP DRMP PSP
TCM.1957	<i>On a Mission to Improve Project Performance</i>	Anita Lynn Mann; Steven Holmes

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